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OF

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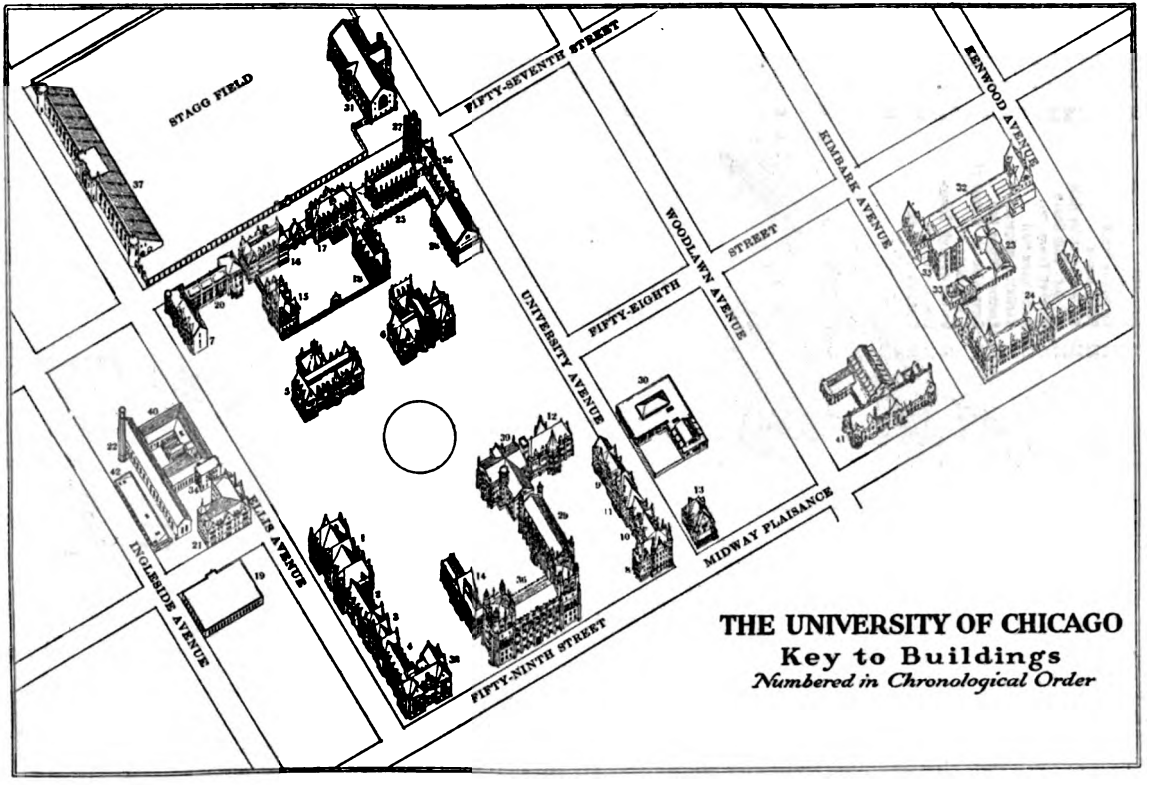

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2. North Hall
3. Middle Divinity Hall
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10. Kelly Hall
11. Green Hall
12. Walker Museum
13. President's House
14. Haskell Museum
15. Physiology
16. Anatomy
17. Zoölogy
18. Botany
19. Ellis Hall
20. Hitchcock Hall
21. The University Press
22. Power House
23. High School Gymnasium
24. Emmons Blaine Hall
25. Hutchinson Hall
26. Reynolds Club
27. Mitchell Tower
28. Leon Mandel Assembly Hall
29. Law School
30. Lexington Hall
31. Bartlett Gymnasium
32. Belfield Hall
33. University High School Boys' Clubhouse
34. Psychological Laboratories
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The University of Chicago

FOUNDED BY JOHN D. ROCKEFELLER

ANNUAL REGISTER

COVERING THE ACADEMIC YEAR ENDING JUNE 30, 1917, WITH ANNOUNCEMENTS FOR THE YEAR 1917–1918

THE UNIVERSITY OF CHICAGO PRESS
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CALENDAR FOR THE YEAR 1917–18

1917

June 10	Sunday	Convocation Sunday
June 11	Monday	College Day
June 12	Tuesday	Summer Convocation
June 13	Wednesday	Quarterly Examinations
June 14	Thursday	
June 15	Friday	
June 15	Friday	Spring Quarter ends
June 18	*Monday*	*Summer Quarter begins*
June 18–22		Examinations of the College Entrance Examination Board
July 4	Wednesday	Independence Day: a holiday
July 14	Saturday	Special Examinations for removal of deficiencies (work reported conditioned or incomplete) incurred during the last quarter of residence
July 24	Tuesday	Examinations for First Term of Summer Quarter
July 25	Wednesday	
July 25	Wednesday	First Term of Summer Quarter ends
July 26	Thursday	Second Term of Summer Quarter begins
Aug. 26	Sunday	Convocation Sunday
Aug. 30	Thursday	Examinations for Second Term of Summer Quarter
Aug. 31	Friday	
Aug. 31	Friday	Autumn Convocation Second Term of Summer Quarter ends
Sept. 3–8		Entrance Examinations
Sept. 27–29		Registration for Autumn Quarter
Sept. 29	Saturday	Special Examinations for all students returning for the Autumn Quarter, who incurred deficiencies (work reported conditioned or incomplete) in the last quarter of residence
Oct. 1	*Monday*	*Autumn Quarter begins*
Nov. 29	Thursday	Thanksgiving Day: a holiday
Dec. 16	Sunday	Convocation Sunday
Dec. 18	Tuesday	Winter Convocation
Dec. 19	Wednesday	Quarterly Examinations
Dec. 20	Thursday	
Dec. 21	Friday	
Dec. 21	Friday	Autumn Quarter ends

1918

Jan. 2	*Wednesday*	*Winter Quarter begins*
Jan. 26	Saturday	Special Examination for removal of deficiencies (work reported conditioned or incomplete) incurred during the last quarter of residence

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Feb. 12	Tuesday	Lincoln's Birthday: a holiday.
Feb. 22	Friday	Washington's Birthday: a holiday
Mar. 17	Sunday	Convocation Sunday
Mar. 19	Tuesday	Spring Convocation
Mar. 20	Wednesday	Quarterly Examinations
Mar. 21	Thursday	
Mar. 22	Friday	
Mar. 22	Friday	Winter Quarter ends
Mar. 23–31		Quarterly recess
April 1	*Monday*	*Spring Quarter begins*
April 18–19		Annual Conference with Co-operating Schools
April 27	Saturday	Special Examinations for removal of deficiencies (work reported conditioned or incomplete) incurred during the last quarter of residence
May 30	Thursday	Memorial Day: a holiday
June 9	Sunday	Convocation Sunday
June 10	Monday	College Day
June 11	Tuesday	Summer Convocation
June 12	Wednesday	Quarterly Examinations
June 13	Thursday	
June 14	Friday	
June 14	Friday	Spring Quarter ends

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PART I

ORGANIZATION AND GOVERNMENT

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THE BOARD OF TRUSTEES OF THE UNIVERSITY OF CHICAGO

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TREVOR ARNETT, Auditor

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ANDREW MACLEISH
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HISTORICAL SKETCH OF THE UNIVERSITY OF CHICAGO

The pioneers of the New West brought schools with them in the cabins of the diminutive schooners which anchored at the mouth of the Chicago River. From the beginning education was regarded as essential in the life of the little settlement. In 1855, only eighteen years after the town became the city of Chicago, Senator Stephen A. Douglas gave a tract of ten acres of land as a site for a university. In 1857 the (old) University of Chicago was founded, a result of this gift and of the interest which it created. Inadequately endowed, weakened by disagreements among its friends, hampered by debts, harassed by panics and by the two great fires which consumed the wealth of citizens and changed the social conditions of many thousands of people, the old University was at length obliged to yield to the inevitable, and in 1886 its doors were closed.

Its usefulness, however, did not end with its collapse. The need of an institution of higher learning was still deeply felt. There were graduates who had risen to places of influence in the community, four of whom subsequently became members of the Board of Trustees of the new University of Chicago. The hopes of this body of alumni, the educational ideals of the Middle West, the pleas of friends of the Baptist Union Theological Seminary—these, together with other influences and considerations, led the friends of education in Chicago seriously to study the situation.

Meanwhile to Mr. John D. Rockefeller had been presented the needs of Chicago for a new institution of learning. The American Baptist Education Society had been organized in May, 1888. Mr. Rockefeller in that same year communicated with Professor William Rainey Harper, then of Yale University, who was fully conversant with the educational possibilities of Chicago by reason of his former service in the Baptist Union Theological Seminary, with Dr. Thomas Wakefield Goodspeed, of Chicago, and with Rev. Fred T. Gates, Secretary of the Education Society. As the result of these at first informal negotiations and of subsequent conferences with leaders of thought in Chicago and in the East, the Executive Board of the Education Society approved an effort to establish an educational institution of high standing in Chicago, and subsequently at the annual meeting of the Society, held in Boston in May, 1889, it was unanimously voted "to take immediate steps toward the founding of a well-equipped college in the City of Chicago." Mr. Rockefeller, in order to make it possible to found this institution of learning, offered to contribute $600,000 of a proposed $1,000,000 fund, provided the remaining $400,000 should be subscribed before June 1, 1890.

Dr. Thomas Wakefield Goodspeed, who served as Secretary of the Board of Trustees of the University of Chicago from 1890 until 1912, thus describes the efforts to meet the liberal and inspiring offer made by Mr. Rockefeller:

Immediately following the announcement of Mr. Rockefeller's subscription, early in June, 1889, a meeting was held in Chicago, and a College Committee of thirty-six was appointed to co-operate with the Society in the effort to meet the

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conditions proposed. This committee appointed Rev. T. W. Goodspeed to assist Mr. Gates in raising the $400,000 required. They accomplished the work, and in addition secured from Mr. Marshall Field, of Chicago, a block and a half of ground, valued at $125,000, as a site for the new institution. Two and a half additional blocks were afterward purchased for $282,500, thus providing a site of four blocks, or about twenty-four acres. The streets running through this tract were vacated by the City Council, making the University's land one unbroken piece, two blocks long and two blocks wide. In 1898, by the munificence of Mr. Rockefeller and Mr. Field, two more blocks were added, at a cost of $335,000. Later between seven and eight additional blocks were added to these six. The land lies between the two great south parks of Chicago—Washington and Jackson—and fronts south on the Midway Plaisance, which is itself a park connecting the other two. The University now owns, including the grounds of Yerkes Observatory, at Williams Bay, Wis., about 165 acres reserved for educational purposes.

The annual meeting of the Education Society in May, 1890, was held in Chicago, and the Board of the Society adopted articles of incorporation and a charter for the new institution. On September 10 of the same year the University was incorporated with the following trustees: E. Nelson Blake, first president of the board, Edward Goodman, Herman H. Kohlsaat, George C. Walker, William R. Harper, Andrew MacLeish, Martin A. Ryerson, Henry A. Rust, Alonzo K. Parker, Joseph M. Bailey, Charles C. Bowen, Charles L. Hutchinson, Frederick A. Smith, George A. Pillsbury, Ferdinand W. Peck, Daniel L. Shorey, Francis E. Hinckley, John W. Midgley, Eli B. Felsenthal, Elmer L. Corthell, Charles W. Needham.

The incorporators named in the charter were John D. Rockefeller, E. Nelson Blake, Marshall Field, Fred T. Gates, Francis E. Hinckley, and Thomas W. Goodspeed. The name of the corporation in law is "THE UNIVERSITY OF CHICAGO." In recognition of the peculiar relation of Mr. Rockefeller to the institution, the Board of Trustees has enacted that on the seal and all official publications of the University the title shall read: "The University of Chicago, founded by John D. Rockefeller."

At the first meeting of the Board after its incorporation in September, 1890, Professor William Rainey Harper, of Yale University, was elected President; and he entered on the duties of his office July 1, 1891. Before Professor Harper accepted the presidency, the scope of the institution had been greatly enlarged. Professor Harper felt that it should be in fact, as well as in name, a university, and Mr. Rockefeller, agreeing with this view, in September, 1890, added $1,000,000 to his former subscription. In accordance with the terms of this second subscription, the Baptist Union Theological Seminary was removed from Morgan Park to the University site as the Divinity School of the University, an Academy of the University was established at Morgan Park, and $100,000 of the amount of the subscription was devoted to the erection of the dormitories for the Divinity School on the grounds of the University.

The foregoing is necessarily but a brief summary of the events involved in the foundation of the University, a summary interestingly elaborated in the history of its first twenty-five years written by Dr. Thomas Wakefield Goodspeed and published as one of the exhibits of University progress during the Quarter-Centennial celebration in June, 1916.

The University opened its doors to students without spectacular exercises on October 1, 1892. Preparations for this event, which proved to be noteworthy, not only in the history of the University itself, but in that of education in the United States, were begun nearly two years before. A series of six "Official Bulletins" setting forth the organization of the new institution was published. Buildings were begun, ground being broken for the first, Cobb Lecture Hall, on November 26, 1891. When the University opened, only four buildings were ready for use—Cobb Lecture Hall and the Divinity and Graduate dormitories.

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Beginning with his gift of $600,000, Mr. Rockefeller continued to demonstrate his devotion to the great cause of human enlightenment, and to the University as exemplifying that devotion, by repeated additional gifts. In September, 1890, he gave $1,000,000, of which $800,000 was for the endowment of non-professional graduate instruction and fellowships, following it with another $1,000,000 in February, 1892, for endowment, and soon after the opening of the University, when it was seen how large was the new educational enterprise in Chicago and how speedily it was developing, still another $1,000,000 was contributed.

During the twenty-seven years of history which began with the election of President Harper, Mr. Rockefeller, who would not permit his name to be given to the University, has contributed to establish it upon a firm and lasting financial basis the magnificent total of $34,708,375.28, including his final gift. Of this, an amount in excess of $22,000,000 was designated for endowment and more than $12,000,000 for other purposes. These gifts made possible the steady progress of the University, applicable as they were to the innumerable necessities of a new institution having at the beginning no physical plant or apparatus, only moderate grounds, and the nucleus of a library. They included funds for making the University environment healthful and beautiful; they provided for research; they were evidence that the Founder desired to see faculty and students, not only teaching and learning, but teaching and learning amid conditions that make for joy of service and for health and happiness.

Having for twenty years been a generous and constant giver, in December, 1910, Mr. Rockefeller made his crowning contribution to the University, his "final gift" as he described it in his letter addressed to the Trustees. This gift consisted of securities valued at $10,000,000—the whole amount to be paid to the University in ten annual instalments. Accompanying the letter conveying the gift was another in which he said:

> It is my desire that at least the sum of $1,500,000 be used for the erection and furnishing of a University Chapel. As the spirit of religion should penetrate and control the University so that building which represents religion ought to be the central and dominant feature of the University group. . . . . Apart from what may be required for the Chapel, the remainder of the fund may be used, in the discretion of the Trustees, for land, buildings, or endowment, but no part of the principal sum shall be used for current expenses. . . . . I hope that this final gift from me may be used for endowment as far as practicable.

Mr. Rockefeller has not been the only large contributor to the upbuilding of the University. It has had many loyal and generous friends who have poured out their millions for buildings, apparatus, and endowments; it has had other supporters, no less loyal and generous, who have given smaller amounts. In the printed list of 2,200 contributors to the fund which made possible, in 1912, the completion of the William Rainey Harper Memorial Library, side by side with Mr. Rockefeller's notable gift of $181,261.02 were one of $10 and one of $16.66.

The largest single gift made to the University, outside of the great contributions of the Founder, is that of Mr. Hobart W. Williams who, in 1916, conveyed property in the central part of Chicago valued at $2,000,000 or more. In 1915–16 through the generous contributions of Mr. LaVerne Noyes, Ida Noyes Hall, a memorial to his wife, was built at a cost of nearly $500,000. It is the social center for women, comprising a clubhouse, a gymnasium, a natatorium, and a refectory.

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Other givers of large amounts may be named, among them the executors and trustees of the estate of William B. Ogden, Mr. Sidney A. Kent, Mr. Marshall Field, Mr. William E. Hale, Mr. Silas B. Cobb, Mr. C. R. Crane, Mr. F. H. Rawson, Mr. Charles H. Swift, Mr. Charles F. Grey, Mr. J. Ogden Armour, Mr. N. M. Kaufman, Mr. R. T. Crane, Jr., Mr. Frank G. Logan, Dr. Norman Bridge, Dr. Frank Billings, Mr. C. K. G. Billings, Mr. A. B. Ruddock, Mr. Charles H. Ruddock, Mr. John J. Mitchell, Mr. Leon Mandel, Mr. Harold F. McCormick, Mr. Charles T. Yerkes, Mr. W. F. E. Gurley, and Mr. Max Epstein.

A noteworthy fact in the history of the University is the part borne by women in its Faculties and in its classes. Women, too, have been liberal contributors to its funds. Among them may be named Mrs. Emmons Blaine, Miss Helen Culver, Mrs. Nancy S. Foster, Mrs. Henrietta Snell, Mrs. Mary Beecher, Mrs. Elizabeth G. Kelly, Mrs. Caroline E. Haskell, Mrs. Charles Hitchcock, Mrs. Joseph Bond, Mrs. Gustavus F. Swift, Mrs. Frank G. Logan, Mrs. Helen Swift Morris, Mrs. Julius Rosenwald, Mrs. Joseph Reynolds, Mrs. Max Epstein, Mrs. J. Y. Scammon, Miss Helen Snow, and Mrs. W. J. Hill.

Mr. Martin A. Ryerson, who has been President of the Board of Trustees since 1892, not only provided the funds to build the physics laboratory and its annex at a cost of nearly $350,000, but has given to the University, in all, over $800,000, and, what is equally if not more valuable, has freely given his time to direction of the affairs of the University in almost every department. Mr. George C. Walker, one of the first group of Trustees, contributed the money for the construction of Walker Museum. Mr. A. C. Bartlett contributed the funds for the Frank Dickinson Bartlett Gymnasium in memory of a son. Mr. C. L. Hutchinson, Treasurer of the University from the beginning, made possible the erection of Hutchinson Commons. Mr. Julius Rosenwald, another Trustee, gave the money to build Rosenwald Hall, which houses the Departments of Geology and Geography. Other Trustees who have generously participated in efforts to develop the University's financial resources are: Mr. Harold H. Swift, Mr. Harold F. McCormick, Mr. Frederick A. Smith, Mr. Robert L. Scott, Mr. Francis W. Parker, Mr. Thomas E. Donnelley, Judge Jesse A. Baldwin, Mr. C. C. Bowen, Mr. H. H. Kohlsaat, Mr. Andrew MacLeish, Mr. Ferd. W. Peck, Mr. E. M. Barton, and Mr. D. G. Hamilton. There is not one of the fifty-two Trustees who have served the University, who has not had, it may be said, some significant part in the development of the institution.

Within the necessary limitations of this sketch no complete list even of donors of considerable amounts can be given. Those whose names, for some particular reason, appear here are a few of the hundreds of friends who have been builders of the University since May 15, 1889, the date of Mr. Rockefeller's first pledge. In all, these friends, exclusive of Mr. Rockefeller, up to July 1, 1917, have made gifts in land, buildings, apparatus, and endowments for various purposes (including subscriptions to the fund for establishing the Medical Departments) of more than $16,000,000.

But, as President Judson once said in a public address: "The most vital assets of the University, however, are not found in millions of endowment, in great buildings, or in extensive acreage of land, but consist rather in the students, the alumni, the men and women who are doing university work. Character and

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intellectual attainments cannot be purchased by money, and are the finest fruitage of all the work which the University has done or will do."

The latest and in some respects the most notable forward movement in the history of the University is the beginning of the great task to establish medical work. Since 1898 the University, in affiliation with Rush Medical College, has been conducting medical courses, the fundamental sciences in the University buildings, and the clinical work in the buildings of the College. In his quarterly statement made at the Convocation held during the Quarter-Centennial anniversary, President Judson said:

The most pressing of these [needs] is provision for a school of medicine. The University has no complete medical school. The two years in the basal sciences are provided in the quadrangles, and provided excellently, in the laboratories and with the staff of the departments concerned. Indeed, the University is using the income of approximately $2,000,000 in these fundamental medical sciences. What is needed to complete the school is provision for clinical work and a clinical staff at the Midway. The first need, of course, is for a hospital wholly under the control of the University for medical teaching and for medical research. The second need is the provision of adequate endowment in order that the hospital itself may be beyond the need of being financed by income from its patients, and in order that the medical faculty may be free from the pressing need of personal practice. It is not the ambition of the University to plan for a large medical school, or to turn into the medical profession a large number of practitioners. I speak for myself and not by any official action of the Board of Trustees in saying that I believe the University's function is to provide rigorous training for a small number of the best men, and simultaneously to train men as medical teachers and experts in medical research. Nothing more important could be done, not merely for the University of Chicago, but for the city of Chicago itself, than to equip such a medical school as I have indicated.

At the meeting of the Board of Trustees, held November 8, 1916, in a comprehensive report, President Judson presented for consideration the matter of medical instruction in the University. The report proposed: the establishment of a medical school in the quadrangles of the University on the Midway, including a hospital; a medical school for practitioners to be placed within the great medical center on the West Side; and arrangements for co-operation with existing organizations for medical research. In order to develop the medical departments as projected, it was proposed to secure a new fund of $5,300,000, toward which amount the Rockefeller Foundation and the General Education Board each voted to contribute $1,000,000. It was pointed out that with the completion of the fund of $5,300,000, together with the endowment of the University, the income of which was already being expended for medical education, and the land, buildings, and endowments of other organizations (which have subsequently entered upon contractual relations with the University), the plan would involve the use of something like $15,000,000. The Trustees of the University unanimously voted approval of the plan as outlined and appointed a committee of seven to undertake to raise the required funds.

The executive boards of Rush Medical College, of the Presbyterian Hospital, of the Otho S. A. Sprague Memorial Institute, and of the McCormick Memorial Institute for Infectious Diseases each formally voted to co-operate with the new medical school.

The University's committee entered enthusiastically upon its task, and within ninety days over $5,000,000 of the required amount was pledged. Two

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months before the close of the University's fiscal year, June 30, 1917, sufficient pledges had been secured to complete the necessary fund and steps were taken to inaugurate medical work upon the enlarged plan.

The $1,000,000 to provide the new University hospital to be erected on the south side of the Midway Plaisance was contributed by Mr. C. K. G. Billings, Mr. C. H. Ruddock, Mr. A. B. Ruddock, and Dr. Frank Billings. It is to be known as the Albert Meritt Billings Hospital. For building and equipping a dispensary for out-patients in connection with the Albert Meritt Billings Hospital, Mr. and Mrs. Max Epstein gave $100,000. Mr. F. H. Rawson, in order to further the work of the school in connection with the Presbyterian Hospital, made provision for a laboratory, contributing to the University therefor $300,000.

The history of the University, even a historical sketch necessarily as brief as this, should include more than a record of growth upon its physical side. Land and buildings and endowments are simply means to a great beneficent end. In the words of its articles of incorporation, written by Judge (subsequently Chief Justice) Joseph M. Bailey, of the Illinois Supreme Court, the objects for which the University exists are:

To provide, impart, and furnish opportunities for all departments of higher education to persons of both sexes on equal terms; . . . . to establish and maintain a university, in which may be taught all branches of higher learning, and which may comprise and embrace separate departments for literature, law, medicine, music, technology, the various branches of science, both abstract and applied, the cultivation of the fine arts, and all other branches of professional or technical education which may properly be included within the purposes and objects of a university, and to provide and maintain courses of instruction in each and all of said departments.

The University has, since its doors opened October 1, 1892, furnished "opportunities" for many departments of higher education. Including those in attendance during the academic year 1916–17, more than 55,000 students have been in attendance upon its classes for at least one quarter. Degrees have been granted, inclusive of those conferred at the Summer Convocation, June, 1917, to 9,736 persons, including 1,029 who have received the degree of Doctor of Philosophy.

The members of the several Faculties now number: Professors 99, Associate Professors 49, Assistant Professors 54, Instructors 66, Associates 11, Assistants 95, Teachers 56, Professorial Lecturers 11, besides library assistants, laboratory assistants, and readers. In all departments and in all grades of service the University employs about 1,300 persons.

Professor Paul Shorey well interpreted the spirit of the University in his Convocation address delivered March 16, 1909, when he said:

We to whom these buildings are but the symbol and the shell of the life they contain, we who know or can divine what it has cost to do the work of a century in seventeen years, we who have shared the travail of creation, borne the shocks of collision and the strain of adjustment in the effort to find ourselves, and awaken at last to the perception that we are not a mere fortuitous concurrence of infinitely repellent particles, but a living organism and a collective soul, we can acquiesce in no soulless name for the process that has brought this thing to pass. We ask for words charged with humane and moral meanings—generosity, faith, self-sacrifice, courage, devotion, and work. The munificence and modest self-effacement of our Founder, the generosity of the citizens of Chicago, whose names our successors will delight to honor, the prophetic faith, the unsparing self-sacrifice, the undaunted courage of President Harper who gave us, not only the

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consecration of his tireless life, but the example of his death, the devoted sagacity of our Trustees who have borrowed from business or stolen from well-earned leisure the countless hours they have bestowed on wise administration of our affairs—the work—but we have all worked—this only is the witchcraft we have used.

The annual enrolment of students since the beginning has been as follows:

1892–3	742	1905–6	5,079
1893–4	920	1906–7	5,070
1894–5	1,347	1907–8	5,109
1895–6	1,815	1908–9	5,659
1896–7	1,880	1909–10	6,007
1897–8	2,307	1910–11	6,355
1898–9	2,959	1911–12	6,506
1899–1900	3,183	1912–13	6,802
1900–1	3,520	1913–14	7,301
1901–2	4,450	1914–15	7,781
1902–3	4,463	1915–16	8,510
1903–4	4,580	1916–17	10,448
1904–5	4,598		

THE UNIVERSITY OF CHICAGO

MEMBERS OF THE BOARD OF TRUSTEES

FROM THE INCORPORATION OF THE UNIVERSITY, SEPTEMBER 10, 1890

TREVOR ARNETT, 1916—.
JOSEPH M. BAILEY, 1890–95.*
JESSE A. BALDWIN, 1896—.
ADOLPHUS C. BARTLETT, 1900—.
ENOS M. BARTON, 1898–1916.*
E. NELSON BLAKE, 1890–93.
CHARLES C. BOWEN, 1890–1900.*
WILLIAM B. BRAYTON, 1891–1900.*
ELMER L. CORTHELL, 1890–96. Died, 1916.
FREDERIC A. DELANO, 1913–14.
J. SPENCER DICKERSON, 1909–14; 1916—.
THOMAS E. DONNELLEY, 1909—.
ELI B. FELSENTHAL, 1890—.
FRED T. GATES, 1896–1910.
EDWARD GOODMAN, 1890–1909. Died, 1911.
THOMAS W. GOODSPEED, June 27, 1893—October 31, 1893; 1896–98; 1901–2; 1906–7; 1907–1914.
HOWARD G. GREY, 1900—.
DAVID GILBERT HAMILTON, 1893–1915.*
WILLIAM RAINEY HARPER, 1890–1906.*
FRANCIS E. HINCKLEY, 1890–96. Died, 1900.
CHARLES R. HOLDEN, 1912—.
WILLIAM H. HOLDEN, 1894–1900.

* Died during term of office.

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CHARLES E. HUGHES, 1914—.
J. OTIS HUMPHREY, 1914—.
CHARLES L. HUTCHINSON, 1890—.
HARRY PRATT JUDSON, 1907—.
HERMAN H. KOHLSAAT, 1890–1901.
FRANK O. LOWDEN, 1905–12.
ISAAC W. MACLAY, 1900–5.
FRANK L. LLEWELLYN, 1902–8.
HAROLD F. MCCORMICK, 1899—.
ANDREW MACLEISH, 1890—.
FRANKLIN MACVEAGH, 1901–13.
J. W. MIDGLEY, 1890–93.
CHARLES W. NEEDHAM, 1890–91.
ALONZO K. PARKER, 1890–1901.
FRANCIS W. PARKER, 1901—.
FERDINAND W. PECK, 1890–1900.
GEORGE A. PILLSBURY, 1890–94.
JOHN D. ROCKEFELLER, JR., 1898–1910.
JULIUS ROSENWALD, 1912—.
HENRY A. RUST, 1890–94; 1905–7. Died, 1911.
MARTIN A. RYERSON, 1890—.
ROBERT L. SCOTT, 1912—.
DANIEL L. SHOREY, 1890–99.*
FREDERICK A. SMITH, 1890—.
WILLARD A. SMITH, 1894—.
HAROLD H. SWIFT, 1914—.
GEORGE C. WALKER, 1890–1905.*
LEIGHTON WILLIAMS, 1893–97.

* Died during term of office.

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THE STATUTES OF THE UNIVERSITY

(*Enacted by the Board of Trustees*)

1. *The University* includes four Divisions: the Schools and Colleges; the University Extension; the University Libraries, Laboratories, and Museums; the University Press.

2. *The Schools and Colleges* include:

a) The Divinity School, the Graduate School of Arts and Literature, the Ogden Graduate School of Science, the School of Education, the Law School, the School of Commerce and Administration, already organized; the School of Medicine, partly organized.

b) The College of Arts, the College of Literature, the College of Philosophy, the College of Science, the College of Education, and University College. Each of these colleges (with respect to its work) is divided into a Junior College and a Senior College. The former includes the first half of the curriculum, ordinarily known as the work of the Freshman and Sophomore classes, and the latter the second half, ordinarily known as the work of the Junior and Senior classes.

3. *The University Extension* includes the Correspondence-Study Department and the Library and Reading Department. It is the function of the Division to direct work done by students who are unable to attend exercises held at the University.

4. *The University Libraries, Laboratories, and Museums* include the General Library and all departmental libraries, the Laboratories of the University, and the General Museum and all special museums.

5. *The University Press* includes the Manufacturing Department, the Publication Department, the Retail Department, and the Mailing and Shipping Department.

6. *The President* of the University is the executive head of the University in all its departments, exercising such supervision and direction as will promote the efficiency of every department; he is responsible for the discipline of the University; he presides at the meetings of all Ruling Bodies of the University, and is the official medium of communication between the Faculties and the Board of Trustees, and between the students of the University and the Board of Trustees; he recommends to the Board of Trustees appointments to the several Faculties; he is responsible for carrying out all measures officially agreed upon by the Faculties in regard to matters committed to them by the Board, and such measures concerning the internal administration of the University as the Board of Trustees may enact. He makes an annual report to the Board of Trustees of the work and condition of the University in all its departments.

7. *The University Chaplain*, in co-operation with the President, the University Preacher, and other officers, studies and proposes methods of promoting the spiritual life of the University, and the harmony and efficiency of its

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religious and benevolent organizations; he also serves as needed in religious exercises and ministers as a pastor.

8. *The University Recorder and Examiner* serves as secretary of the various Ruling Bodies of the University and has charge of the record of courses taken by each student and the rank attained in them, of diplomas, certificates of work, and letters of dismissal; he also has charge of the admission of students to all schools and colleges of the University, under regulations established by the Faculties.

9. *Deans.*—The Divinity School, the Faculties of Arts, Literature, and Science, the Graduate School of Arts and Literature, the Ogden Graduate School of Science, the Law School, the School of Education, the School of Commerce and Administration, the Senior Colleges, the Junior Colleges, and University College have at least one Dean. There is also a Dean of Women. Each Dean supervises in general the administration in his school or college, under the direction of the President, meeting personally the students and advising with them as to their courses of study.

10. *Directors.*—The University Libraries, the Laboratories, the Museums, the School of Education, the Observatory, the Press, and the Department of Physical Culture and Athletics are each under the general charge of a Director.

11. *The Members of the University Faculties* are classified as follows: the Professor, the Associate Professor, the Assistant Professor, the Instructor, the Associate, the Assistant, and the Fellow. The tenure of office of assistant professors is four years; of instructors, three years; of associates, two years; of assistants and fellows, one year. At the end of the said term the connection with the University of an assistant professor, instructor, associate, assistant, or fellow ceases unless he be reappointed. All officers of instruction and government are subject to removal for inadequate performance of duty or for misconduct.

12. *Organization and Powers of the University Ruling Bodies.*

PREAMBLE

This Statute shall be known as the University Government Statute, and it may be amended under that title. It is referred to herein as "this Statute," and the references herein to articles and sections designate the divisions of this Statute.

All advisory, legislative, and administrative powers in the University concerning its collegiate, graduate, and professional work, except those vested in the President by the Board of Trustees, shall be exercised by, or under the authority of, the Ruling Bodies specified in this Statute, according to their respective jurisdictions as herein defined.

ARTICLE I

THE UNIVERSITY RULING BODIES

The University Ruling Bodies shall consist of:
The University Senate.
  The General Administrative Board.
The Faculty of the Colleges of Arts, Literature, and Science.
  The Board of the Junior Colleges.
  The Board of the Senior Colleges.
  The Board of Admissions.
  The Board of Physical Culture and Athletics.
  The Board of Student Organizations, Publications, and Exhibitions.

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The Faculty of the Graduate School of Arts and Literature.
The Faculty of the Ogden Graduate School of Science.
The Faculty of the Divinity School.
The Faculty of the Law School.
The Faculty of the School of Education.
The Faculty of the School of Commerce and Administration.
The University Boards (see Article X).
The University Congregation.

ARTICLE II

PROVISIONS COMMON TO SEVERAL RULING BODIES

SECTION 1. *Constitution.*—

a) All persons, other than lecturers, above the rank of assistant, who are appointed for at least one year and substantially half of whose work for the current year is in a particular School or College, shall be members of its Faculty.

b) Assistants who are appointed for at least one year to give instruction in a particular School or College may attend the meetings and take part in the deliberations of its Faculty, but shall not vote.

c) Vacancies in the places of ex-officio representatives in any Ruling Body or Executive Board may be temporarily filled by persons appointed by the President.

d) The President shall be the presiding officer and the Recorder the secretary of each Ruling Body.

SEC. 2. *Jurisdiction and Powers.*—Each Faculty shall have general legislative and administrative power over all matters pertaining to its own meetings, and to the admission requirements, curricula, instruction, examinations, grading, and degrees in its own Schools or Colleges. These powers of each Faculty shall be exclusive and final, except as otherwise specified in this Statute.

a) Any action of a Faculty that in the judgment of the Senate seriously affects the general interests of the University may be disapproved by the Senate, in which case it shall become ineffective. Such disapproval shall require a two-thirds vote of the members of the Senate present, and must include the concurrence of at least one-half of the members in residence.

b) Any action of a Faculty that in the judgment of the Senate seriously affects the interests of another Faculty may, upon the protest of the Faculty concerned, be altered or reversed by the Senate.

c) Any action of a Faculty, chiefly administrative in character, that substantially affects either the interests of another Faculty or the general administration of the University, may be altered or reversed by the Senate, or by the General Board.

d) Each Faculty concerned shall be given an opportunity to be heard by the Senate or General Board, through representatives appointed by it for that purpose, before final action is taken by the Senate or General Board under *a*), *b*), or *c*), preceding. The operation of Faculty actions may, however, be suspended meanwhile, in the discretion of the Senate or General Board.

e) Questions of jurisdiction arising under this Statute between a Faculty and the Senate, or a Faculty and the General Board, shall be determined by the President.

SEC. 3. *Executive Boards.*—Any Faculty or any group of Faculties associated for administrative purposes may establish Executive Boards (not elsewhere provided for in this Statute) empowered to carry into effect such enactments as their respective Faculties may designate. Special Boards may be established for special functions. The members of these Boards shall be appointed annually by the Board of Trustees on the nomination of the President, and the number of members of each shall be determined from time to time by their Faculties. The President shall be chairman and the Recorder the secretary of each Board. These Boards shall report all actions to their respective Faculties, which retain all legislative power and may alter or reverse such actions and prescribe rules for the government of their respective Boards. Any Board may make recommendations to its Faculty for legislation.

ARTICLE III

THE UNIVERSITY SENATE

SECTION 1. *Constitution.*—The Senate shall consist of the President and all professors of full rank in the University.

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SEC. 2. *Jurisdiction and Powers.*—

a) The Senate shall have general legislative and administrative power over all matters not specifically reserved to a Faculty by this Statute.

b) In regard to matters specifically reserved to a Faculty the Senate shall have the jurisdiction specified in Art. II, sec. 2, *a*), *b*), *c*), and *d*).

c) The Senate may make recommendations to any Faculty concerning matters within the jurisdiction of the latter.

d) The Senate may alter or reverse actions of the General Board or of any University Board, and may prescribe rules for their government.

e) The Senate shall determine all questions of jurisdiction arising under this Statute between Ruling Bodies, except those questions specified in Art. II, sec. 2, *e*).

f) The Senate shall determine all matters pertaining to its own meetings.

ARTICLE IV

THE GENERAL ADMINISTRATIVE BOARD

SECTION 1. *Constitution.*—The General Board shall consist of:

a) The President, the Recorder, and the Chaplain.

b) The Dean of the Faculties of Arts, Literature, and Science, the Deans of all Schools and Colleges whose Faculties are constituted by this Statute, the Deans of the Senior and Junior Colleges, the Dean of Medical Students, the Director of University Extension, the Dean of Women, and the University Examiner.

SEC. 2. *Jurisdiction and Powers.*—The General Board shall have power, subject to the control of the Senate:

a) To act in regard to all matters chiefly administrative in character not specifically reserved to a Faculty by this Statute.

b) To act in regard to matters specifically reserved to a Faculty, with the jurisdiction specified in Art. II, sec. 2, *c*) and *d*).

c) To alter or reverse the action of any University Board in any matter chiefly administrative in character.

d) To determine all matters pertaining to its own meetings.

ARTICLE V

THE FACULTY OF THE COLLEGES OF ARTS, LITERATURE, AND SCIENCE

SECTION 1. *Constitution.*—The Faculty shall consist of:

a) The President.

b) The Dean of the Faculties of Arts, Literature, and Science, the Dean of the Senior Colleges, the Deans of and in the Junior Colleges, the Dean of Women, the Departmental Examiners, and the Secretaries of the Lecture-Study and Correspondence-Study Departments.

c) The Heads, Acting Heads, and Chairmen of Departments in the Colleges of Arts, Literature, and Science.

d) Officers of instruction in the Colleges of Arts, Literature, and Science, as defined under Art. II, sec. 1, *a*).

e) The Dean and one representative from each professional Faculty (Divinity, Law, Education) appointed annually by the Board of Trustees on the nomination of the President.

SEC. 2. *Jurisdiction and Powers.*—The Faculty shall have control of the work in the Colleges of Arts, Literature, and Science, and of recommending candidates for the title of Associate and for the degrees of A.B., Ph.B., and S.B., with the jurisdiction and powers defined in Art. II, secs. 2 and 3. It shall also have control over all student activities administered by the Boards constituted in sec. 3, following.

SEC. 3. COLLEGE EXECUTIVE BOARDS.—

a) A *Board of the Junior Colleges* shall be constituted as follows: The President, the Dean of the Faculties, the Deans of and in the Junior Colleges, the Dean of the School of Commerce and Administration, the Dean of Women, the Departmental Examiners, and such number of appointive members as shall be determined from time to time by the Faculty. The Board shall have charge of the affairs of the Junior Colleges.

b) A *Board of the Senior Colleges* shall be constituted as follows: The President, the Dean of the Faculties, the Dean of the Senior Colleges, the Dean of the School of Commerce and Administration, the Deans of the professional Schools and Colleges, the Dean of Medical Students, the Dean of Women, the Examiners for Colleges, and such number of

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appointive members as shall be determined from time to time by the Faculty. The Board shall have charge of the affairs of the Senior Colleges.

c) A *Board of Admissions* shall be constituted as follows: The President, the Dean of the Faculties, the Deans of the Senior and Junior Colleges, the Departmental Examiners, and such number of appointive members as shall be determined from time to time by the Faculty. The Board shall have charge of the admission of students to the Colleges of Arts, Literature, and Science.

d) A *Board of Physical Culture and Athletics* shall be constituted as follows: The President, the Dean of the Faculties, the Deans of the Senior and Junior Colleges, the Director of the Department of Physical Culture and Athletics, two instructors (one of them in charge of Physical Culture for women) appointed from that Department, the University Physician, a Dean of Women, one representative of the Alumni of the University chosen annually under regulations prescribed by the Board, and such number of appointive members as shall be determined from time to time by the Faculty. All of these appointive members need not belong to the Faculty of the Colleges. The Board shall have charge of work of the Department of Physical Culture and Athletics.

e) A *Board of Student Organizations, Publications, and Exhibitions* shall be constituted as follows: The President, the Dean of the Faculties, the Deans of the Senior and Junior Colleges, a Dean of Women, the Director of Music, the Director of the University Band, an instructor appointed from the Department of Public Speaking, two faculty members appointed from the Reynolds Club Council, two representatives of the Alumni Council appointed by the President of the University, and such number of appointive members as shall be determined from time to time by the Faculty. All of these appointive members need not belong to the Faculty of the Colleges. The Board shall have general supervision of all student organizations, publications, and exhibitions.

f) All appointive members of these Boards shall be appointed annually by the Board of Trustees on the nomination of the President.

g) The President shall be the chairman and the Recorder the secretary of each Board.

h) Each Board shall report all actions to the Faculty of the Colleges, which retains all legislative power and may alter or reverse such actions, and prescribe rules for the government of all its Boards. Any Board may make recommendations to the Faculty for legislation.

ARTICLE VI

THE FACULTIES OF THE GRADUATE SCHOOL OF ARTS AND LITERATURE AND OF THE OGDEN GRADUATE SCHOOL OF SCIENCE

SECTION 1. *Constitution.*—The Faculties of the Graduate School shall consist of:

a) The President.

b) The Dean of the Faculties of Arts, Literature, and Science, the Dean of the Graduate School of Arts and Literature, the Dean of the Ogden Graduate School of Science, the Dean of Women, and the Examiner for Colleges.

c) The Heads, Acting Heads, and Chairmen of Departments in the Schools of Arts, Literature, and Science.

d) Officers of instruction in the Graduate Schools as defined under Art. II, sec. 1, *a*).

e) Any member of the University under whose guidance and responsibility a dissertation for the degree of Ph.D. has been completed in the University and finally accepted for the degree.

SEC. 2. *Jurisdiction and Powers.*—The Graduate Faculties shall have control of the work in the Graduate Schools and of recommending candidates for the degrees of A.M., S.M., and Ph.D., with the jurisdiction and powers defined in Art. II, secs. 2 and 3. Unless special meetings are separately called, the Graduate Faculties meet and act together as a single body.

SEC. 3. *The Separate Graduate Faculties.*—

a) The President, the Dean of the Faculties, the Dean of the Graduate School of Arts and Literature, and members of the Graduate Faculties constituted as in sec. 1, above, substantially half of whose work is in the Graduate School of Arts and Literature, shall be members of the Faculty of that School. The President, the Dean of the Faculties, the Dean of the Ogden Graduate School of Science, and members of the Graduate Faculties substantially half of whose work is in the Ogden Graduate School of Science, shall be members of the Faculty of that School.

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b) Upon the call of the President or the Dean of its School, either Faculty may meet separately to take action concerning those matters mentioned in sec. 2, above, that affect its own School. Whenever such separate action is inconsistent with any action of the Graduate Faculties meeting together, it shall not become effective until approved by those Faculties in joint meeting, or by the Senate.

ARTICLE VII

THE FACULTY OF THE DIVINITY SCHOOL

SECTION 1. *Constitution.*—The Faculty shall consist of:

a) The President.

b) The Dean of the School.

c) The Heads, Acting Heads, and Chairmen of Departments in the School.

d) Officers of instruction in the Divinity School as defined under Art. II, sec. 1, *a*).

SEC. 2. *Jurisdiction and Powers.*—The Faculty shall have control of the work in the Divinity School, of recommending candidates for the degree of D.B., and of recommending its students to the Graduate Faculties for admission to candidacy for the Master's and Doctor's degrees and for those degrees, with the jurisdiction and powers defined in Art. II, secs. 2 and 3.

SEC. 3. *Existing Legislation.*—This Statute, as concerns the Divinity School, is subject to the existing regulations of the Board of Trustees governing the relations of the Divinity Faculty to the University.

ARTICLE VIII

THE FACULTY OF THE LAW SCHOOL

SECTION 1. *Constitution.*—The Faculty shall consist of:

a) The President.

b) The Dean of the School.

c) Officers of instruction in the Law School as defined under Art. II, sec. 1, *a*).

SEC. 2. *Jurisdiction and Powers.*—The Faculty shall have control of the work in the Law School, and of recommending candidates for the degrees of LL.B. and J.D., with the jurisdiction and powers defined in Art. II, secs. 2 and 3.

ARTICLE IX

THE FACULTY OF THE COLLEGE OF EDUCATION

SECTION 1. *Constitution.*—The Faculty shall consist of:

a) The President.

b) The Director of the School of Education, the Dean of the College of Education, the Deans of the University High School, and the Principal of the University Elementary School.

c) The Heads, Acting Heads, and Chairmen of Departments in the School of Education.

d) Officers of instruction in the College of Education as defined under Art. II, sec. 1, *a*), and members of the Department of Education in the Colleges and Graduate Schools of Arts, Literature, and Science.

e) At least one representative of the Faculty of Arts, Literature, and Science from each of the groups recognized in the group conferences; and at least one representative each from the Faculty of the University High School and from the Faculty of the University Elementary School; to be appointed annually by the Board of Trustees on the nomination of the President.

SEC. 2. *Jurisdiction and Powers.*—The Faculty shall have control of the work in the College of Education and of recommending candidates for the two years' certificate of the College of Education and for the degree of Ed.B., with the jurisdiction and powers defined in Art. II, secs. 2 and 3.

SEC. 3. *Organization.*—The present internal organization of the constituent parts of the School of Education, including the College of Education, shall not be otherwise affected by this Statute.

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ARTICLE X

THE UNIVERSITY BOARDS

SECTION 1. *List of Boards.*—To direct and control the work connected with the official publications of the University Press, the management of libraries, laboratories, and museums, medical affairs, religious activities, student employment, and the recommendation of teachers, there shall be the following University Boards:

The Board of the University Press.	The Board of Medical Affairs.
The Board of Libraries.	The Board of the Christian Union.
The Board of Laboratories.	The Board of Student Employment.
The Board of Museums.	The Board of Recommendations.

SEC. 2. *Constitution.*—The various Boards shall consist of the following members:

a) The President.

b) Eight members, appointed annually by the Board of Trustees on the nomination of the President.

c) Administrative officers in charge of any of the activities controlled by Boards are ex-officio members of the appropriate Boards.

d) Editors-in-chief of departmental journals are ex-officio members of the Board of the University Press.

e) Library advisers of group libraries and the Director of the Press are ex-officio members of the Board of Libraries and Laboratories.

f) The Director of the Press is ex-officio a member of the Board of Museums.

g) All persons giving medical instruction who are above the rank of assistant and are appointed for more than one year are ex-officio members of the Medical Board.

h) The Board of the Christian Union shall be composed of the President of the University; the Recorder of the University; the Chaplain of the University; the President or Chairman of its co-operating organizations, or of their advisory boards; the salaried secretaries of such organizations; the Chairman of the Settlement Board; the Director of the choir; the Dean of women, ex officio, and ten members of the Faculties of the University and ten members of the student body to be nominated by the Student Councils, to be appointed by the President of the University, and such other officially recognized student bodies as may take action to this end.

i) The Secretary to the President, the Secretaries of the Young Men's Christian Association and of the Young Women's Christian League, and the Manager of the Employment Bureau are ex-officio members of the Board of Student Employment.

j) One representative from each department in the Colleges of Arts, Literature, and Science shall be appointed annually to the Board of Recommendations by the Board of Trustees on the nomination of the President.

k) The board for the administration of the School of Commerce and Administration shall consist of the President of the University, the Dean of the Faculty of Arts, Literature, and Science, the Dean of the School of Commerce and Administration, the University Recorder, and eight members of the Faculty appointed by the President.

SEC. 3. *Special Provisions.*—

a) The Board of University Relations meets in two sections, the first for the consideration of relations with institutions of university and college grade, and the second for the consideration of relations with institutions of secondary grade.

SEC. 4. *Jurisdiction and Powers.*—

a) Each University Board shall have legislative and administrative power in regard to those matters for the direction and control of which it is constituted.

b) Each University Board shall report all actions to the Senate and the General Board.

c) Any action of a University Board may be altered or reversed by the Senate.

d) Any action of a University Board, chiefly administrative in character, may be altered or reversed by the General Board.

e) Each Board concerned shall be given an opportunity to be heard by the Senate or General Board, through representatives appointed by it for that purpose, before final action is taken under *c*) or *d*), preceding. The operation of Board actions may, however, be suspended meanwhile, in the discretion of the Senate or General Board.

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ARTICLE XI

THE UNIVERSITY CONGREGATION

SECTION 1. *Constitution.*—The Congregation shall consist of such persons of the following classes as have been duly registered:

a) Officers of administration and instruction of the rank of instructor and above.

b) Doctors of Philosophy of the University.

c) Representatives of the Doctors of Law (J.D.) and Bachelors of Laws of the University; of the Bachelors of Divinity of the University of three years standing; of the Masters of Arts, Philosophy, and Science of the University of five years standing; of the Bachelors of Arts, Philosophy, and Science of the University of ten years standing—under the following conditions, viz.: not more than five from the Doctors of Law and Bachelors of Laws; from the Bachelors of Divinity; from the Masters of Arts, Philosophy, and Science; and not more than ten from the Bachelors of Arts, Philosophy, and Science, shall be elected yearly for a term of ten years by their respective alumni associations, each association having power to fill vacancies as they occur.

d) Such others as may be recommended by the Senate and elected by the Congregation to honorary membership—provided that not more than five honorary members may be elected yearly.

e) Registration is effected when the member has recorded his name on the official roll of the Congregation kept by the Recorder.

SEC. 2. *Officers, Meetings, and Functions.*—A Vice-President, Treasurer, and Marshal are elected annually. At least one stated meeting is held annually, and the Congregation may be convened at other times according to such regulations as it may prescribe or at the call of the President. It may consider actions of all Ruling Bodies, and may make recommendations.

ARTICLE XII

DEPARTMENTS

SECTION 1. *Constitution.*—A department shall consist of members of any Faculty as defined in sec. 1, *a*) regularly appointed to give instruction or carry on research in one of the well-recognized divisions of study and investigation.

SEC. 2. *Powers and Organization.*—

a) The department as a body, subject to the approval of the President and the Board of Trustees, and subject to the general statutes of the University, shall determine from time to time the general policy and work of the department and include among its duties: (1) The duty of determining in consultation with the Dean of the school or college in which the department may be established the program of studies offered by the department; the candidacy of students for higher degrees; the examination of candidates for higher degrees; the filing of theses for higher degrees; the assignment of rooms allotted to the department; (2) The duty of editing the departmental journal, if any be edited; of determining the policy of the departmental library and of recommending the appropriation of the money assigned to the department for books and apparatus; of providing for the examination and acceptance of theses for higher degrees; and of examining candidates for higher degrees.

b) The administration of the department shall ordinarily be conducted through a chairman, who shall be appointed by the President from the department to serve for three years, at the end of which period a new chairman shall be appointed or the same one reappointed.

c) In the case of a large department a secretary shall ordinarily be appointed by the President from the department to aid in the work of administration. For this work he shall receive appropriate compensation.

d) The chairman shall preside at all meetings of the department. He shall be the executive officer of the department and be charged with the power and duty of carrying out the regulations adopted by the department. He shall be the official representative of the department in all official communications with the President and with other officers and boards of the University, and also in all departmental communications with students.

SEC. 3. *Exceptions.*—The method of departmental organization and management provided for in sec. 2 above shall be applied to departments having permanent heads at the time this legislation is enacted, when the headship of such departments shall become vacant, provided, however, that other forms may in exceptional cases be temporarily adopted.

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ARTICLE XIII

AMENDMENTS

Amendments to this Statute may be recommended to the Board of Trustees in either of the following ways:

a) Amendments may be recommended to the Senate by any Ruling Body, or the Senate itself may propose them. An opportunity shall then be given to any other Ruling Bodies affected also to make recommendations upon the matter to the Senate. By a majority vote the Senate may recommend the proposed amendments to the Board of Trustees for adoption. Should the Senate be adverse, any Faculty may still have the matter presented to the Board of Trustees by a two-thirds vote (a majority of the voting members of the Faculty in residence being present), in which case there shall be laid before the Board of Trustees a report stating the recommendations of all Ruling Bodies and the adverse action of the Senate, with the reasons for each.

b) Upon call of the President, or at the request of the Senate, or of any two Faculties, or of any one Faculty by a two-thirds vote, a joint meeting shall be held of all Faculties at which amendments may be recommended directly to the Board of Trustees. The Senate or any Faculty may dissent from these recommendations and may present to the Board of Trustees a statement containing the reasons therefor.

13. *The Academic Year* is divided into four quarters. The Summer Quarter is divided into two terms. The year begins with the first day of the Summer Quarter. The Autumn Quarter begins about October first and continues until shortly before Christmas. The Winter Quarter begins about January second and continues eleven to twelve weeks. The Spring Quarter begins approximately a week after the end of the Winter Quarter and continues eleven to twelve weeks. The Summer Quarter begins immediately after the Spring Quarter and continues about eleven weeks. There is a recess of about a month between the Summer and Autumn Quarters.

14. *Work and vacation credit of members of the Faculties.*—Each resident member of a faculty gives instruction thirty-six weeks of the year, ten hours a week or its equivalent. Members of faculties of a rank below that of Associate Professor, at the discretion of the President, for two quarters within a year, may be required to give instruction fifteen hours or the equivalent. The member of a faculty takes his vacation in any one of the four quarters, according as it may be arranged, or he may take two vacations of six weeks each at different periods of the year. For every quarter or term in a year he may teach, in addition to the number of hours required, he receives, according as it may be arranged by the President, either an extra full pro-rata vacation or an extra two-thirds pro-rata salary, payable monthly during such vacation period. In case of resignation vacation credit thus earned is paid on the basis of two-thirds pro-rata salary.

With reference to vacation credit the following limitations are to be observed:

1) No obligation against the University for extra vacation credit shall be created except by vote of the Board of Trustees, on recommendation of the President, in each individual case.

2) As a rule no member of the Faculty may acquire at a given time more than nine months extra vacation credit.

3) No member of the Faculty lower in rank than an Associate shall be entitled to obtain extra vacation credit.

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15. *Convocation.*—A quarterly Convocation is held during the last week of each quarter. At this Convocation degrees are conferred upon students who have completed their courses of study.

16. *Retiring allowances.*—1) Any person in the service of the University and sixty-five years of age who holds the position of President of the University, Director or Associate Director of the University Libraries, or University Examiner, and who has been for a period of fifteen years in the service of the University, in a rank not lower than Assistant Professor; and any person in the service of the University and sixty-five years of age, who has been, for a period of fifteen years in a rank not lower than Assistant Professor, a member of the teaching staff of the Graduate Schools of Arts, Literature, and Science, the Graduate Divinity School, the Law School, or the Colleges, may retire from active service, or be retired by the Board of Trustees, on an annual allowance to be computed as follows:

a) For fifteen years of service, forty per cent of the average annual salary received during the five years immediately preceding the time of retirement.

b) For each year of service beyond fifteen years, two per cent of the said average annual salary.

But no annual allowance shall exceed sixty per cent of the said average annual salary, nor shall it exceed $3,000.

A person between sixty-five and seventy years of age, eligible to a retiring allowance, may retire, or may be retired by the Board of Trustees; at the age of seventy years he shall retire, unless the Board of Trustees specially continues his service.

2) The widow of any person in receipt of, or eligible to, a retiring allowance at the time of his death, shall be entitled to one-half of the amount of his allowance during the period of her widowhood, provided she was his wife at the time of his retirement and had been his wife for not less than ten years before his death.

3) No right or claim under this statute shall vest in, or accrue to, any person until a retiring allowance shall become due and payable under and in accordance with it; and the exercise of the right or power of the Board of Trustees to terminate the service, or reduce the salary, of any person shall not give to such person any claim or cause of action hereunder against the University.

4) The Board of Trustees reserves the right to suspend the retiring allowance of any person who, while in receipt of such allowance, accepts an appointment on the staff of any other institution of learning.

5) The obligation of the University to pay retiring allowances shall be neither greater nor less than its obligation to pay salaries to persons in active service, so that if misfortune should compel a percentage reduction of salaries, retiring allowances may be reduced in the same proportion.

6) Nothing in this statute shall preclude the Board from granting other retiring allowances, or allowances on account of disability, to officers of administration or instruction, or their widows, where the term and character of service or the special circumstances of the case make the same appropriate, or from adding a term of years to the actual years of service of a person who enters the service of the University as an associate professor or as one of higher rank.

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7) The Board of Trustees retains the power to alter this statute, but the alteration shall not have any effect as to persons of the class or rank mentioned in Article 1 at the time of such alteration.

17. *Classification of courses.*—Courses of instruction in the University are classified as majors and minors. The minor calls for four or five hours of classroom work, or its equivalent, each week for six weeks; the major, for four or five hours of classroom work, or its equivalent, each week for twelve weeks. A minor calling for eight to ten hours of classroom work, or its equivalent, each week, is called a double minor; a major calling for eight to ten hours of classroom work, or its equivalent, each week, is called a double major. The regular work of a student during each quarter is three majors or their equivalent.

18. *Non-resident work.*—

a) Non-resident work done under the direction of the University Extension Division of the University of Chicago, when duly completed and reported, will be accepted as meeting the requirement for the Bachelor's degree to the maximum amount of eighteen majors, provided such credit be conditioned upon at least one year of satisfactory work in residence.

b) Non-resident work for the degree of Doctor of Philosophy will be accepted for not more than one-third of the total requirement for such degree.

19. *Divisions and Student Councils.*—The students of the Colleges are classified in four divisions, according to the number of major credits on the University records. From these divisions student representatives are chosen to form Senior and Junior College Councils. These councils serve as the executive committees of the students, consider any matters referred to them by the Faculty and report upon the same, and superintend any meetings or celebrations of the students of the Senior and Junior Colleges respectively. The councilors act in connection with the Faculty officers of each division.

20. *Fellowships.*—The Fellowships of the University are assigned on the ground of proficiency already attained in a given department. The Fellow is expected to give one-sixth of his time to some service in connection with the University. He is not permitted while holding a fellowship to do work of any kind for which he receives remuneration, without the permission of the President.

21. *Chapel service and public worship.*—A daily chapel service is held on week days. Attendance is required one day in each week from students in the Colleges.

22. *Cap and gown.*—The official cap and gown are worn by the instructors and students of the University on appropriate public occasions.

23. *Degrees.*—The degrees of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, Bachelor of Arts in Education, Bachelor of Philosophy in Education, Bachelor of Science in Education, Bachelor of Education, Master of Arts, Master of Science, Doctor of Philosophy, Bachelor of Theology, Bachelor of Divinity, Bachelor of Laws, Doctor of Music, and Doctor of Law (J.D.) are conferred upon the recommendation of the several Faculties. None of these degrees will be conferred on a student who has done less than one year of resident work in the University of Chicago. The (honorary) degrees of Doctor of Divinity, Doctor of Music, Doctor of Laws, Doctor of

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Science, and Doctor of Humane Letters are conferred upon the recommendation of the University Senate. These degrees are granted only for specific achievements in such fields as scholarship, discovery, or administration. At the Convocation ceremony the President recites the specific ground upon which these degrees are conferred, and the recipients are present in person.

24. *Titles and Certificates.*—The title of Associate is conferred upon students who complete the work of the Junior Colleges, in accordance with the regulations of the Faculty of the Colleges; and the two-years certificate of the College of Education is conferred upon students who complete that amount of work according to the regulations of the Faculty of the College of Education.

25. *Official documents.*—The official documents of the University are: (*a*) the *Weekly Calendar;* (*b*) the *University Record;* (*c*) the *Annual Register;* (*d*) the *Announcements*, *Bulletins*, and *Circulars of Information;* (*e*) the *Quarterly Time Schedules;* and (*f*) the *President's Report.*

26. All rules, regulations, and statutes heretofore adopted, inconsistent with these statutes, are hereby repealed.

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GENERAL ORGANIZATION OF THE UNIVERSITY

The University is organized in Divisions, as follows: Schools and Colleges; Libraries, Laboratories, and Museums; University Press; University Extension.

The Schools at present organized are: the *Graduate School of Arts and Literature;* the *Ogden Graduate School of Science;* the *Divinity School;* the *Law School;* the *Medical Courses* (in co-operation with Rush Medical College); the *School of Education;* and the *School of Commerce and Administration.*

The Colleges at present organized are: the *Colleges of Arts, of Literature, of Science, of Philosophy;* the *College of Education; University College.*

Under the third Division are included: the *General Library* and all *Departmental Libraries;* Laboratories; the general museums and all special museums.

The University Press has charge of all printing and publication for the University, and of the purchase and distribution of books and supplies.

The Extension Division directs the work of students who are unable to attend exercises held at the University.

OFFICERS OF ADMINISTRATION

HARRY PRATT JUDSON, President of the University.
J. SPENCER DICKERSON, Secretary of the Board of Trustees.
THOMAS WAKEFIELD GOODSPEED, Corresponding Secretary of the Board of Trustees.
WALLACE HECKMAN, Counsel and Business Manager.
TREVOR ARNETT, Auditor.
NATHAN C. PLIMPTON, Assistant Auditor.
WALTER A. PAYNE, University Recorder and Examiner.
DAVID ALLAN ROBERTSON, Secretary to the President.

SCHOOLS AND COLLEGES OF ARTS, LITERATURE, AND SCIENCE

JAMES ROWLAND ANGELL, Dean of the Faculties of Arts, Literature, and Science.
ALBION WOODBURY SMALL, Dean of the Graduate School of Arts and Literature.
ROLLIN D. SALISBURY, Dean of the Ogden Graduate School of Science.
LEON CARROLL MARSHALL, Dean of the Senior Colleges.
HENRY GORDON GALE, Dean in the Colleges of Science.
HORATIO HACKETT NEWMAN, Dean in the Colleges of Science.
ROBERT MORSS LOVETT, Dean of the Junior Colleges.
PERCY HOLMES BOYNTON, JAMES WEBER LINN, FRANK JUSTUS MILLER, ELIZABETH WALLACE, Deans in the Junior Colleges.
NATHANIEL BUTLER, Dean of University College; Director of Co-operation with Secondary Schools.
MARION TALBOT, Dean of Women.
SOPHONISBA PRESTON BRECKINRIDGE, Assistant Dean of Women.

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PROFESSIONAL SCHOOLS

SHAILER MATHEWS, Dean of the Divinity School.
JAMES PARKER HALL, Dean of the Law School.
JOHN MILTON DODSON, Dean of Medical Students.
CHARLES HUBBARD JUDD, Director of the School of Education.
WILLIAM SCOTT GRAY, Dean of the College of Education.
LEON CARROLL MARSHALL, Dean of the School of Commerce and Administration.

THE UNIVERSITY LIBRARIES, LABORATORIES, AND MUSEUMS

ERNEST DEWITT BURTON, Director of University Libraries.
JAMES CHRISTIAN MEINICH HANSON, Associate Director of University Libraries.
EDWIN BRANT FROST, Director of the Yerkes Observatory.
JULIUS STIEGLITZ, Director of Laboratories.

THE UNIVERSITY PRESS

NEWMAN MILLER, Director.

THE UNIVERSITY EXTENSION

HERVEY FOSTER MALLORY, Secretary of the Correspondence-Study Department.

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OFFICIAL PUBLICATIONS OF THE UNIVERSITY

The list of official publications is as follows:

The *Weekly Calendar.*

The *Quarterly Time Schedules.*

The *University Record.*

SEPTEMBER

Circular of Information, Annual Register.

Bulletin of Information, American Institute of Sacred Literature.

JANUARY

Announcements, The Summer Quarter (preliminary list of courses).

FEBRUARY

Circular of Information, The Divinity School.

MARCH

Circular of Information, The University: General Information (illustrated).

Bulletin of Information, President's Report.

Announcements: Summer Quarter: Courses of Instruction; The Law School, Summer Quarter.

APRIL

Circular of Information, The Colleges and Graduate Schools.

Bulletin of Information, The University High School (Summer Quarter).

Announcements, The Law School.

MAY

Circular of Information, Rush Medical College.

Bulletin of Information, The School of Education.

Announcements, Commerce and Administration (The College, The Graduate School).

JUNE

Bulletin of Information, Training for Charitable and Philanthropic Service.

Announcements, Correspondence-Study Department.

Circular of Information, Assistance to Students.

GROUP CIRCULARS

Philosophy, Psychology, and Education.

Political Economy, Political Science, History, Sociology, and Anthropology.

Greek; Latin; Comparative Philology, General Linguistics and Indo-Iranian Philology; and the History of Art.

Romance, German, English, and General Literature.

Mathematics, Astronomy and Astrophysics, Physics, Chemistry.

Geology, Paleontology, and Geography.

Zoölogy, Anatomy, Physiology, Botany, Pathology, Hygiene and Bacteriology.

Public Speaking.

Military Science and Tactics.

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SPECIAL CIRCULARS

Thesis Regulations.
The Yerkes Observatory (Illustrated).
University College—Autumn, Winter, and Spring.
The University High School.
Program of the University Elementary School.
Courses of Study in the Field of Religion and Ethics.
University Public Lectures, Summer Quarter.
Courses in Fine and Industrial Arts, the College of Education.
University Lecture Association.
Field Courses in Geology and Geography (Summer Quarter).
Concerning Railroad Service (1) from the South; (2) from the Southeast; (3) from the Southeast and Southwest; (4) from the South, the Southeast, and Southwest (Summer Quarter).
Report of the Director of the University Libraries.
Handbook of the Libraries.
Rules and Regulations of the University Libraries.

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OFFICERS OF INSTRUCTION AND ADMINISTRATION

HARRY PRATT JUDSON, A.M., LL.D., President of the University; Professor of International Law and Diplomacy; Head of the Department of Political Science.

A.B., Williams College, 1870; A.M., *ibid.*, 1883; Professor of History, University of Minnesota, 1885–92; Professor of Political Science and Head Dean of the Colleges, University of Chicago, 1892–4; Professor and Head of the Department of Political Science and Dean of the Faculties of Arts, Literature, and Science, *ibid.*, 1894–1907; Acting President, *ibid.*, 1906–7; President, *ibid.*, 1907—; LL.D., Williams College, 1893; LL.D., Queen's University, Ontario, 1903; LL.D., State University of Iowa, 1907; LL.D., Washington University, St. Louis, 1907; LL.D., Western Reserve University, 1909; LL.D., Harvard University, 1909; LL.D., University of Michigan, 1911; LL.D., Northwestern University, 1916.

JAMES ROWLAND ANGELL, A.M., LITT.D., Professor and Head of the Department of Psychology; Director of the Psychological Laboratory; Dean of the Faculties of Arts, Literature, and Science.

A.B., University of Michigan, 1890; A.M., *ibid.*, 1891; Harvard University, 1892; Instructor in Experimental Psychology, University of Minnesota, 1893–4; Assistant Professor of Experimental Psychology, University of Chicago, 1894–1901; Associate Professor, *ibid.*, 1901–4; Professor and Director of the Psychological Laboratory, *ibid.*, 1904—; Head of the Department of Psychology, *ibid.*, 1905—; President of the American Psychological Association, 1906; Dean of the Senior Colleges, University of Chicago, 1908–11; Dean of the Faculties of Arts, Literature, and Science, *ibid.*, 1911—. Appointed Exchange Professor at the Sorbonne, 1914; Litt.D., University of Vermont, 1915.

GALUSHA ANDERSON, A.M., S.T.D., LL.D., Professor of Homiletics. Newton Center, Mass. Retired.

A.B., University of Rochester, 1854; A.M., *ibid.*, 1857; Pastor, Janesville, Wis., 1856–8; St. Louis, Mo., 1858–66; S.T.D., University of Rochester, 1866; Professor of Sacred Rhetoric, Church Polity, and Pastoral Duties, Newton Theological Institution, 1866–73; Pastor, Brooklyn, N.Y., 1873–6; Pastor, Chicago, 1876–8; President of the old University of Chicago, 1878–85; LL.D., University of Rochester and Madison (now Colgate) University, 1884; Pastor, Salem, Mass., 1885; President of Denison University, 1887–90; Professor of Homiletics, Church Polity, and Pastoral Duties, Baptist Union Theological Seminary, 1890–2; Professor and Head of the Department of Homiletics, University of Chicago, 1892–1904.

EDWARD EMERSON BARNARD, A.M., Sc.D., LL.D., Professor of Practical Astronomy at the Yerkes Observatory.

Graduate, School of Mathematics, Vanderbilt University, 1887; A.M. (*honoris causa*) University of the Pacific, 1889; Sc.D., Vanderbilt University, 1893; in charge of Observatory, *ibid.*, 1883–7; Astronomer in the Lick Observatory, 1887–95; Professor of Practical Astronomy, University of Chicago, and Astronomer in the Yerkes Observatory, 1895—; LL.D., Queen's University, 1909; Lalande Gold Medal (1892), Arago Gold Medal (1893), Janssen Gold Medal (1900), Académie des Sciences, Paris; Gold Medal, Royal Astronomical Society, 1897; Janssen Prize, Société Astronomique de France, 1906; Bruce Gold Medal, Astronomical Society of the Pacific, 1917; Vice-President, American Association for the Advancement of Science, 1898; Associate Fellow, American Academy of Arts and Sciences; Hon. Member, Royal Astronomical Society of Canada; Foreign Associate and Fellow, Royal Astronomical Society; Member, Société Astronomique de France; Member, National Academy of Sciences; Member, American Philosophical Society.

HARLAN H. BARROWS, S.B., PD.M., Professor of Geography.

S.B., University of Chicago, 1903; Assistant in Geology, *ibid.*, 1903–7; Instructor in Geology and Geography, *ibid.*, 1907–8; Assistant Professor, *ibid.*, 1908–10; Associate Professor of Geography, *ibid.*, 1910–14; Pd.M. (hon.), Michigan State Normal College, 1912; Professor of Geography, University of Chicago, 1914—.

ROBERT RUSSELL BENSLEY, A.B., M.B., Professor of Anatomy.

A.B., University of Toronto, 1889; Demonstrator of Histology, *ibid.*, 1891–2; M.B., *ibid.*, 1892; Member of the College of Physicians and Surgeons of Ontario, 1892; Assistant Demonstrator of Biology, University of Toronto, 1892–9; Demonstrator of Biology, *ibid.*, 1899–1901; Assistant Professor of Anatomy, University of Chicago, 1901–5; Associate Professor, *ibid.*, 1905–7; Professor, *ibid.*, 1907—; Editor, *Internationale Monatsschrift für Anatomie und Physiologie*, 1912—.

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HARRY AUGUSTUS BIGELOW, A.B., LL.B., Professor of Law.

A.B., Harvard University, 1896; LL.B., *ibid.*, 1899; Instructor in Criminal Law, *ibid.*, 1899–1900; practiced law, Honolulu, Hawaiian Islands, 1900–3; Assistant Professor of Law, University of Chicago, 1904–6; Associate Professor, *ibid.*, 1906–9; Professor, *ibid.*, 1909—.

‡FRANK BILLINGS, Sc.D., M.D., Professor of Medicine.

M.D., Chicago Medical College, 1881; S.M., Northwestern University, 1890; Sc.D. Harv. 1915; Interne, Cook County Hospital, 1881–2; Professor of Medicine, Northwestern University Medical School, 1891–8; Attending Physician to the Presbyterian Hospital; President of Chicago Medical Society, 1890; Professor of Medicine Rush Medical College, 1898–; Dean of Faculty, *ibid.*, 1900–; Professorial Lecturer on Medicine, University of Chicago, 1901–5; President of the American Medical Association, 1902–4; President of the Association of American Physicians, 1905–6; Professor of Medicine, University of Chicago, 1905—. President, National Association for the Study and Prevention of Tuberculosis, 1908.

GILBERT AMES BLISS, PH.D., Professor of Mathematics.

S.B., University of Chicago, 1897; S.M., *ibid.*, 1898; Ph.D., *ibid.*, 1900; Instructor in Mathematics, University of Minnesota, 1900–2; Associate in Mathematics, University of Chicago, 1903–4; Assistant Professor of Mathematics, University of Missouri, 1904–5; Assistant Professor of Mathematics, Princeton University, 1905–8; Associate Professor of Mathematics, University of Chicago, 1908–13; Professor of Mathematics, *ibid.*, 1913—.

ROBERT JOHNSON BONNER, PH.D., Professor of Greek.

A.B., University of Toronto, 1890; Fellow in Latin, *ibid.*, 1891–3; Graduate of Ontario Law School and Member of Ontario Bar, 1894; Classical Master, Collegiate Institute, Collingwood, Ont., 1895–9; Professor of Latin, John B. Stetson University, 1900–3; Assistant in Greek, University of Chicago, 1903–4; Ph.D., *ibid.*, 1904; Assistant in Greek and Latin, University College, *ibid.*, 1904–5; Associate in Greek, University of Chicago, 1905–6; Instructor, *ibid.*, 1906–8; Assistant Professor, *ibid.*, 1908–10; Associate Professor, University of Chicago, 1910–13; Professor, *ibid.*, 1913—.

JAMES HENRY BREASTED, PH.D., Professor of Egyptology and Oriental History; Chairman of the Department of Oriental Languages and Literatures; Director of Haskell Oriental Museum.

A.B., Northwestern College, 1888; Chicago Theological Seminary, 1889–90; A.M., Yale University, 1891; A.M. and Ph.D., University of Berlin, 1894; collecting for the University of Chicago in Egypt, 1894–5; Assistant in Egyptology, University of Chicago, 1894–6; Assistant Director of Haskell Oriental Museum, *ibid.*, 1895–1901; Instructor in Egyptology and Semitic Languages, *ibid.*, 1896–8; Assistant Professor, *ibid.*, 1898–1902; Honorary D.B., Chicago Theological Seminary, 1898; Collaborator on Egyptian Lexicon of Royal Academies of Germany, at Berlin, 1899–1900; Director of Haskell Oriental Museum, University of Chicago, 1901—; Associate Professor of Egyptology and Semitic Languages, *ibid.*, 1902–5; Director of the Egyptian Expedition of the University of Chicago in the Sudan, 1905–7; Professor of Egyptology and Oriental History, *ibid.*, 1905—; Chairman of the Department of Oriental Languages and Literatures, University of Chicago, 1915—.

CARL DARLING BUCK, PH.D., Professor of Comparative Philology; Head of the Department of Comparative Philology, General Linguistics, and Indo-Iranian Philology.

A.B., Yale University, 1886; Ph.D., *ibid.*, 1889; Assistant Professor of Sanskrit and Indo-European Comparative Philology, University of Chicago, 1892–4; Associate Professor, *ibid.*, 1894–1900; Professor, *ibid.*, 1900–3; Head of the Department of Sanskrit and Indo-European Comparative Philology, *ibid.*, 1903—; Litt.D., University of Athens, 1912; President, American Philological Association, 1915–16.

SHERBURNE WESLEY BURNHAM, A.M., Professor of Practical Astronomy at the Yerkes Observatory. Retired.

Astronomer in Chicago private observatory, 1870–7; A.M., Yale University, 1878; Observer at the Dearborn Observatory, Chicago, 1877–81, 1882–4; Observer at the Washburn Observatory, Madison, Wis., 1881–2; Astronomer at the Lick Observatory, 1888–92; Professor of Practical Astronomy and Astronomer in the Yerkes Observatory, University of Chicago, 1893–1914; Gold Medal of the Royal Astronomical Society, 1894; Associate of the Royal Astronomical Society, 1898; Lalande prize in Astronomy, Paris Academy of Science, 1904.

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‡ Absent on leave.

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ERNEST DEWITT BURTON, D.D., Professor and Head of the Department of New Testament and Early Christian Literature; Director of the University Libraries.

A.B., Denison University, 1876; D.D., *ibid.*, 1897; *ibid.*, Oberlin College, 1912; Instructor, Academy of Kalamazoo College, 1876–7; Graduate, Rochester Theological Seminary, 1882; Instructor in New Testament Greek, *ibid.*, 1882–3; Associate Professor of New Testament Interpretation, Newton Theological Institution, 1883–6; Professor of New Testament Interpretation, *ibid.*, 1886–92; Professor and Head of the Department of New Testament and Early Christian Literature, University of Chicago, 1892—; Oriental Educational Investigation Commissioner, University of Chicago, 1908–9; Director of the University Libraries, University of Chicago, 1910—.

NATHANIEL BUTLER, A.M., D.D., LL.D., Professor of Education; Director of Co-operation with Secondary Schools; Dean of University College.

A.B., Colby College, 1873; A.M., *ibid.*, 1876; D.D., *ibid.*, 1895; LL.D., *ibid.*, 1903; *ibid.*, Georgetown College, 1913; Professor of Rhetoric and English Literature, the old University of Chicago, 1884–6; Professor of Latin, University of Illinois, 1886–9; Professor of the English Language and Literature, *ibid.*, 1889–92; Acting Director of the University Extension Division, University of Chicago, 1893–4; University Extension Associate Professor of English Literature and Director of the University Extension Division, *ibid.*, 1894–5; President of Colby College, 1895–1901; Professor of Education and Director of Co-operation with Secondary Schools, University of Chicago, 1901—; Dean of the College of Education, *ibid.*, 1905–9; Examiner for the Colleges, *ibid.*, 1910–11.

*OTIS WILLIAM CALDWELL, PH.D., Professor of Botany, and Supervisor of Natural Science in the School of Education.

S.B., Franklin College, 1894; Ph.D., University of Chicago, 1898; Assistant, *ibid.*, 1897–9; Professor of Botany, Eastern Illinois State Normal School, 1899–1907; Professor of Botany, University of Indiana Summer School of Biology, 1904; Associate Professor of Botany, the School of Education, University of Chicago, 1907–15; Professor of Botany, the School of Education, 1915—; Dean of University College, 1913–16.

ANTON JULIUS CARLSON, A.M., PH.D., Professor of Physiology.

S.B., Augustana College, 1898; A.M., *ibid.*, 1899; Ph.D., Leland Stanford Junior University, 1902; Assistant in Physiology, *ibid.*, 1902–3; Research Assistant, Carnegie Institution, 1903–4; Associate in Physiology, University of Chicago, 1904–5; Assistant Professor of Physiology, *ibid.*, 1904–9; Associate Professor, *ibid.*, 1909–16; Professor, *ibid.*, 1916—.

SHIRLEY JACKSON CASE, PH.D., D.D., Professor of Early Church History and New Testament Interpretation.

A.B., Acadia University, 1893; A.M., *ibid.*, 1896; D.B., Yale University, 1904; Ph.D., *ibid.*, 1906; Instructor in New Testament Greek, Yale University, 1905–6; Professor of the History and Philosophy of Religion, Cobb Divinity School, 1906–8; Assistant Professor of New Testament Interpretation, University of Chicago, 1908–13; Associate Professor, *ibid.*, 1913–15; Professor, *ibid.*, 1915–17; Professor of Early Church History and New Testament Interpretation, *ibid.*, 1917—.

CHARLES JOSEPH CHAMBERLAIN, PH.D., Professor of Morphology and Cytology.

A.B., Oberlin College, 1888; A.M., *ibid.*, 1893; Laboratory Assistant in Botany, University of Chicago, 1896; Ph.D., *ibid.*, 1897; Assistant, *ibid.*, 1897–9; Associate, *ibid.*, 1899–1901; Instructor, *ibid.*, 1901–7; Assistant Professor, *ibid.*, 1907–11; Associate Professor, *ibid.*, 1911–15; Editor of Current Botanical Literature, *Journal of Applied Microscopy*, 1899–1903; American Editor of Cytology, *Botanisches Centralblatt*, 1902—; Professor of Morphology and Cytology, University of Chicago, 1915—.

THOMAS CHROWDER CHAMBERLIN, PH.D., LL.D., Sc.D., Professor and Head of the Department of Geology.

A.B., Beloit College, 1866; A.M., *ibid.*, 1869; Professor of Geology, Beloit College, 1873–82; Assistant State Geologist of Wisconsin, 1873–6; Chief Geologist, *ibid.*, 1876–82; studied glaciers of Switzerland, 1878; Lecturer on Geology, Beloit College, 1882–7; Professor of Geology, Columbian University, 1885–7; U.S. Geologist, 1882–1908; Ph.D., University of Michigan and University of Wisconsin, 1882; President, University of Wisconsin, 1887–92; Professor and Head of the Department of Geology, University of Chicago, 1892—; LL.D., University of Michigan, Beloit College, and Columbian University, 1887; Geologist to Peary Expedition, 1894; President of the Chicago Academy of Sciences, 1897–1915; President Emeritus Chicago Academy of Sciences, 1915—; Editor, the *Journal of Geology;* LL.D.,

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University of Wisconsin, 1904; Sc.D., University of Illinois, 1905; LL.D., University of Toronto, 1913; Consulting Geologist, Wisconsin Geological Survey; Commissioner, Illinois Geological Survey; Investigator, Fundamental Problems of Geology, Carnegie Institution, 1902–9; Research Associate, Carnegie Institution, 1909—; President, Illinois Academy of Science, 1907; Consulting Geologist, U.S. Geological Survey, 1908—; President, American Association for the Advancement of Science, 1908–9; Member, Commission for Oriental Educational Investigation, 1908–9.

CHARLES CHANDLER, A.M., Professor of Latin. Retired.

A.B., University of Michigan, 1871; A.M., *ibid.*, 1874; Tutor in Academy and Instructor in Latin, Denison University, 1874–6; Professor of Latin Language and Literature, Denison University, 1876–91; Professor of Latin, University of Chicago, 1892–1915.

CHARLES MANNING CHILD, PH.D., Professor of Zoölogy.

Ph.B., Wesleyan University, 1890; S.M., *ibid.*, 1892; Assistant in Zoölogy and Botany, *ibid.*, 1890–92; Ph.D., University of Leipzig, 1894; Naples Zoölogical Station, 1894; Assistant in Zoölogy, University of Chicago, 1895–7; Associate, *ibid.*, 1897–8; Instructor in Zoölogy, *ibid.*, 1898–1905; Assistant Professor of Zoölogy, *ibid.*, 1905–9; Associate Professor, *ibid.*, 1909–16; Professor, *ibid.*, 1916—.

JOHN MERLE COULTER, PH.D., Professor and Head of the Department of Botany.

A.B., Hanover College, 1870; A.M., *ibid.*, 1873; Ph.D., Hanover College and Indiana University, 1882; Professor of Natural Sciences, Hanover College, 1874–9; Professor of Biology, Wabash College, 1879–91; President and Professor of Botany, Indiana University, 1891–3; President of Lake Forest University, 1893–6; Professor and Head of the Department of Botany, University of Chicago, 1896—; President, American Botanical Society, 1897–8; Editor, the *Botanical Gazette*, 1875—; Member of the American Philosophical Society; Member of the National Academy of Sciences; Corresponding Fellow of the Botanical Society of Edinburgh; Foreign Member of the Linnæan Society; President, American Botanical Society, 1915.

HENRY CHANDLER COWLES, PH.D., Professor of Plant Ecology.

A.B., Oberlin College, 1893; Ph.D., University of Chicago, 1898; Professor of Natural Sciences, Gates College, 1894–5; Special Field Assistant, U.S. Geological Survey, Summer, 1895; Laboratory Assistant, University of Chicago, 1897–8; Assistant, *ibid.*, 1898–1901; Associate, *ibid.*, 1901–2; Instructor, *ibid.*, 1902–7; Assistant Professor, *ibid.*, 1907–11; Associate Professor, *ibid.*, 1911–15; Professor, *ibid.*, 1915—; President, Association of American Geographers, 1910; Vice-President, American Association for the Advancement of Science, 1913.

STARR WILLARD CUTTING, PH.D., Professor and Head of the Department of Germanic Languages and Literatures.

A.B., Williams College, 1881; A.M., *ibid.*, 1892; Ph.D., Johns Hopkins University, 1892; Professor of Modern Languages, University of South Dakota, 1888–90; Professor of German and French (*locum tenens*), Earlham College, Indiana, 1891–2; Assistant Professor of German, University of Chicago, 1892–4; Associate Professor, *ibid.*, 1894–1900; President Central Division of the Modern Language Association of America, 1901–2; Professor of German Literature, University of Chicago, 1900–6; Head of the Department of Germanic Languages and Literatures, *ibid.*, 1906—.

LEONARD EUGENE DICKSON, PH.D., Professor of Mathematics.

S.B., University of Texas, 1893; A.M., *ibid.*, 1894; Ph.D., University of Chicago, 1896; Instructor in Mathematics, University of California, 1897–9; Assistant Professor of Mathematics, *ibid.*, 1899; Associate Professor of Mathematics, University of Texas, 1899–1900; Editor, *American Mathematical Monthly*, 1902–8; Editor, *Transactions American Mathematical Society*, 1910–17; Research Assistant to the Carnegie Institution, 1904; Member of the National Academy of Sciences, 1913; Associate Fellow of the American Academy of Arts and Sciences, 1915—; President of the American Mathematical Society, 1917—; Assistant Professor of Mathematics, University of Chicago, 1900–7; Associate Professor, *ibid.*, 1907–10; Professor, *ibid.*, 1910—.

WILLIAM EDWARD DODD, PH.D., Professor of American History.

S.B., Virginia Polytechnic Institute, 1895; S.M., *ibid.*, 1897; Instructor in History, *ibid.*, 1895–7; Ph.D., University of Leipzig, 1900; Professor of History, Randolph-Macon College, 1900–8; Professor of American History, University of Chicago, 1908—.

GEORGE BURMAN FOSTER, PH.D., Professor of the Philosophy of Religion.

A.M., University of West Virginia, 1884; Graduate, Rochester Theological Seminary, 1887; Ph.D. (honorary), Denison University, 1892; Professor of Philosophy, McMaster University, Toronto, Canada, 1892–5; Associate Professor of Systematic Theology, University of Chicago, 1895–7; Professor of Systematic Theology, *ibid.*, 1897–1905; Professor of the Philosophy of Religion, *ibid.*, 1905—.

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ERNST FREUND, J.U.D., PH.D., Professor of Jurisprudence and Public Law.

J.U.D., University of Heidelberg, 1884; practiced law, New York City, 1886–94; Professor of Administrative Law and Municipal Corporations (*locum tenens*), Columbia University, 1892–3; Instructor in Roman Law and Jurisprudence, University of Chicago, 1894–5; Assistant Professor, *ibid.*, 1895–1900; Ph.D., Columbia University, 1897; Associate Professor of Jurisprudence and Public Law, University of Chicago, 1900–2; Professor of Law, *ibid.*, 1902—.

EDWIN BRANT FROST, A.M., Sc.D., Professor of Astrophysics; Director of Yerkes Observatory.

A.B., Dartmouth College, 1886; A.M., *ibid.*, 1889; Sc.D. (hon.), *ibid.*, 1911; Instructor in Physics and Astronomy in the Scientific Department, Dartmouth College, 1887–90; Assistant Professor of Astronomy and Director of the Observatory, Dartmouth College, 1892–5; Professor of Astronomy, *ibid.*, 1895–8; Non-Resident Instructor in Astronomy, *ibid.*, 1898–1902; Professor of Astrophysics, University of Chicago, 1898—; Director of the Yerkes Observatory, *ibid.*, 1905—; Editor, *The Astrophysical Journal;* Associate, Royal Astronomical Society; Member, National Academy of Sciences; American Philosophical Society; Vice-President, American Association for the Advancement of Science, 1912; Sc.D. (hon.), Cambridge University, 1912.

HENRY GORDON GALE, PH.D., Professor of Physics; Dean in the Colleges of Science.

A.B., University of Chicago, 1896; Ph.D., *ibid.*, 1899; Assistant in Physics, *ibid.*, 1899–1900; Associate, *ibid.*, 1900–2; Instructor, *ibid.*, 1902–7; Physicist, Solar Observatory of the Carnegie Institution, Mount Wilson, Cal., 1906; Assistant Professor of Physics, University of Chicago, 1907–11; Dean in the Junior Colleges, *ibid.*, 1908—; Research Associate, Carnegie Institution of Washington, Mount Wilson, Cal., 1909, 1910, 1911; Associate Professor of Physics, University of Chicago, 1911—; Editor, *Astrophysical Journal*, 1912—; Member, International Commission on Annual Tables of Constants, 1912—; Dean in the Colleges of Science, University of Chicago, 1912—; Professor, *ibid.*, 1916—.

JOHN PAUL GOODE, PH.D., Professor of Geography.

S.B., University of Minnesota, 1889; Ph.D., University of Pennsylvania, 1901; Instructor in Geography, *ibid.*, 1901–3; Assistant Professor of Geography, University of Chicago, 1903–10; Associate Professor, *ibid.*, 1910–17; Professor, *ibid.*, 1917—.

EDGAR JOHNSON GOODSPEED, PH.D., Professor of Biblical and Patristic Greek.

A.B., Denison University, 1890; D.B., University of Chicago, 1897; Ph.D., *ibid.*, 1898; Assistant in Biblical and Patristic Greek, University of Chicago, 1898–1900; Associate, *ibid.*, 1900–2; Instructor, *ibid.*, 1902–5; Assistant Director of Haskell Oriental Museum, *ibid.*, 1902—; Assistant Professor, *ibid.*, 1905–10; Associate Professor, *ibid.*, 1910–15; Professor, *ibid.*, 1915—.

JOHN S. GRISARD, Major, U.S.A., Retired, Professor of Military Science and Tactics.

Graduate, United States Military Academy, West Point, N.Y., 1888; Professor of Military Science and Tactics, Maryland Agricultural College, College Park, Md., 1891–95; Student, United States Infantry and Cavalry School, Fort Leavenworth, Kan., 1897, to outbreak of war, 1898; retired from active service as Major and Judge Advocate, 1904, by reason of disability resulting from wound received at battle of El Caney, Cuba, 1898; service with the United States Army of Cuban Pacification, 1906–7; M.D., University of Cincinnati, 1911; placed on active duty and detailed as Professor of Military Science and Tactics at the University of Chicago by order of War Department of July 24, 1917.

GEORGE ELLERY HALE, S.B., Sc.D., PH.D., LL.D., Non-Resident Professor of Astrophysics. Pasadena, Cal.

S.B., Massachusetts Institute of Technology, 1890; Director, Kenwood Astrophysical Observatory, 1890–6; Lecturer in Astrophysics, Beloit College, 1893–1904; Sc.D. (hon.) Western University of Pennsylvania, 1897, Yale University, 1905, Victoria University of Manchester, 1907, Oxford University, 1909, University of Cambridge, 1911; Ph.D. (hon.), University of Berlin, 1910; LL.D., Beloit College, 1904; Foreign Member of Correspondent, Royal Society, and Academies of Paris, Rome, Vienna, Amsterdam, Upsala; Associate Professor of Astrophysics, University of Chicago, 1892–7; Director of the Yerkes Observatory, *ibid.*, 1895–1905; Professor of Astrophysics, *ibid.*, 1897—; Joint Editor, *The Astrophysical Journal;* Director Solar Observatory of the Carnegie Institution of Washington, Mount Wilson, Cal., 1905—.

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WILLIAM GARDNER HALE, A.B., LL.D., Professor and Head of the Department of Latin.

A.B., Harvard University, 1870; Tutor in Latin, *ibid.*, 1874–6; Tutor in Latin, *ibid.*, 1877–80; Professor of the Latin Language and Literature, Cornell University, 1880–92; Professor and Head of the Department of Latin, University of Chicago, 1892—; Corresponding Member, German Archaeological Institute of Berlin, Athens, and Rome; President, American Philological Association, 1892–3; LL.D., Union College, 1895; LL.D., Princeton University, 1896; LL.D., St. Andrews University, 1907; LL.D., University of Aberdeen, 1907; Director, American School of Classical Studies in Rome, 1895–6; Chairman, Managing Committee, *ibid.*, 1895–9.

JAMES PARKER HALL, A.B., LL.B., Professor of Law; Dean of the Law School.

A.B., Cornell University, 1894; LL.B., Harvard University, 1897; practiced law, Buffalo, N.Y., 1897–1900; Lecturer on Constitutional Law and Real Property, Buffalo Law School, 1898–1900; Associate Professor of Law, Leland Stanford Junior University, 1900–2; Professor of Law, University of Chicago, 1902—; Dean of the Law School, *ibid.*, 1904—; Director of American Judicature Society, 1913—.

WILLIAM DRAPER HARKINS, PH.D., Professor of Chemistry.

A.B., Leland Stanford Junior University, 1900; Ph.D., *ibid.*, 1907; Assistant in Chemistry, Leland Stanford Junior University, 1898–1900; Instructor, *ibid.*, 1900; Professor of Chemistry, University of Montana, 1901–12; Institut für physikalische Chemie und Elektrochemie Karlsruhe, I.B., 1909; Chemist, United States Department of Justice, 1910–11; Research Associate, Research Laboratory of Physical Chemistry, Massachusetts Institute of Technology, 1900–10; Research for Carnegie Institution of Washington, 1911; Assistant Professor of Chemistry, University of Chicago, 1912–14; Associate Professor, *ibid.*, 1914–17; Professor, *ibid.*, 1917; Professorial Lecturer, Mellon Institute of Industrial Research and the University of Pittsburgh, 1916–17.

LUDVIG HEKTOEN, M.D., Professor and Head of the Department of Pathology.

A.B., Luther College, 1883; A.M. *ibid.*, 1896; M.D., College of Physicians and Surgeons, Chicago, 1887; Lecturer on Pathology, Rush Medical College, 1890–2; Physician to the Coroner's Office, Chicago, 1890–4; Professor of Pathology, College of Physicians and Surgeons, 1892–4; Professor of Morbid Anatomy, Rush Medical College, 1895–8; M.D., *ad eundem*, *ibid.*, 1896; Professor of Pathology, *ibid.*, 1898—; Pathologist to the Cook County Hospital, 1889–1903; Professor and Head of the Department of Pathology and Bacteriology, University of Chicago, 1901—; Director Memorial Institute for Infectious Diseases, Chicago, 1902—; President, American Association Pathologists and Bacteriologists, 1901; Editor, *Journal of Infectious Diseases*, Chicago, 1904—; Vice-President, American Association for Advancement of Science, 1909; Foreign member, Norsk Medicinsk Selskab, 1910; M.D. (hon.), Royal Frederick University, Christiania, 1911; Sc.D., University of Michigan, 1913; Sc.D. University of Wisconsin, 1916.

CHARLES JUDSON HERRICK, PH.D., Professor of Neurology.

S.B., University of Cincinnati, 1891; Professor of Natural Sciences, Ottawa University, Kan., 1892–3; Instructor in Biology, Denison University, 1893–6; S.M., *ibid.*, 1895; Assistant Professor of Zoölogy, *ibid.*, 1897–1908; Professor, *ibid.*, 1898–1907; Ph.D., Columbia University, 1900; Associate in Comparative Neurology, Pathological Institute of the New York State Commission in Lunacy, 1897–1901; Managing Editor, *Journal of Comparative Neurology*, 1894—; Professor of Neurology, University of Chicago, 1907—; Member, International Commission of Brain Research, 1912—.

ROBERT HERRICK, A.B., Professor of English.

A.B., Harvard University, 1890; Instructor in Rhetoric, Massachusetts Institute of Technology, 1890–3; Instructor in Rhetoric, University of Chicago, 1893–5; Assistant Professor, *ibid.*, 1895–1901; Associate Professor, *ibid.*, 1901–5; Professor of English, *ibid.*, 1905—.

EDWARD WILCOX HINTON, LL.B., Professor of Law.

LL.B., University of Missouri, 1890; LL.B., Columbia University, 1891; practiced law, Columbia, Mo., 1891–1912; Professor of Law, University of Missouri, 1904–13; Dean of the Law School, *ibid.*, 1912–13; Professor of Law, University of Chicago, 1913—.

EMIL GUSTAV HIRSCH, A.M., LL.D., LITT.D., D.D., Professor of Rabbinical Literature and Philosophy.

A.B., University of Pennsylvania, 1872; A.M., *ibid.*, 1875; Alumnus, Hochschule für die Wissenschaft des Judentums, 1872–6; Rabbi, 1877; LL.D., Austin College, 1896; Minister, Har Sinai Congregation, Baltimore, Md., 1877; Adath-Israel Congregation, Louisville, Ky., 1878; Sinai Congregation, Chicago, 1880—; Editor, *Zeitgeist*, Milwaukee, 1880–7; the *Reformer*, New York, 1886; *Reform Advocate*,

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Chicago; Professor of Rabbinical Literature and Philosophy, University of Chicago, 1892—; Litt.D., Western University of Pennsylvania, 1900; D.D., Hebrew Union College, Cincinnati, Ohio, 1901; Editor, Biblical Department, *Jewish Encyclopedia;* D.C.L., The Temple University of Philadelphia, 1908.

THOMAS ATKINSON JENKINS, PH.D., Professor of the History of the French Language.

A.B., Swarthmore College, 1887; Ph.B., University of Pennsylvania, 1888; Ph.D., *ibid.*, 1894; Instructor in Romance Languages, Vanderbilt University, 1895–6; Adjunct Professor, *ibid.*, 1896–1900; Professor of French, Swarthmore College, 1900–1; Assistant Professor of Romance Languages and Literatures, University of Chicago, 1901–2; Associate Professor of French Philology, *ibid.*, 1902–11; Professor, *ibid.*, 1911—.

EDWIN OAKES JORDAN, PH.D., Professor of Bacteriology; Chairman of the Department of Hygiene and Bacteriology.

S.B., Massachusetts Institute of Technology, 1888; Chief Assistant Biologist, Massachusetts State Board of Health, 1888–90; Lecturer on Biology, Massachusetts Institute of Technology, 1889–90; Ph.D., Clark University, 1892; Associate in Anatomy, University of Chicago, 1892–3; Instructor, *ibid.*, 1893–5; Assistant Professor of Bacteriology, *ibid.*, 1895–1900; Associate Professor of Bacteriology, *ibid.*, 1900–7; Editor, *Journal of Infectious Diseases*, Chicago, 1904—; Professor of Bacteriology, University of Chicago, 1907—; Chairman of the Department of Hygiene and Bacteriology, *ibid.*, 1914—.

CHARLES HUBBARD JUDD, PH.D., LL.D., Professor and Head of the Department of Education; Director of the School of Education.

A.B., Wesleyan University, 1894; Ph.D., University of Leipzig, 1896; A.M., Yale University, 1907; LL.D., Miami University, 1909; LL.D., Wesleyan University, 1913; Instructor in Philosophy, Wesleyan University, 1896–8; Professor of Experimental Psychology, New York University, 1898–1901; Professor of Psychology and Education, University of Cincinnati, 1901–2; Instructor in Psychology, Yale University, 1902–4; Assistant Professor, *ibid.*, 1904–7; Professor and Director of the Psychological Laboratory, *ibid.*, 1907–9; Editor, Monograph Supplements, *Psychological Review*, 1905–9; President, American Psychological Association, 1909; President, National Society of College Teachers of Education, 1910 and 1915–16; Professor and Head of the Department of Education, and Director of the School of Education, University of Chicago, 1909—.

GORDON JENNINGS LAING, PH.D., Professor of Latin.

A.B., University of Toronto, 1891; Ph.D., Johns Hopkins University, 1896; Lecturer in Latin, Bryn Mawr College, 1898–9; Instructor in Latin, University of Chicago, 1899–1902; Assistant Professor of Latin, *ibid.*, 1902–7; Managing Editor, the *Classical Journal*, 1905–8; Associate Professor, University of Chicago, 1907–13; General Editor, the University of Chicago Press, 1908—; Annual Professor, American School of Classical Studies in Rome, 1911–12; Professor of Latin, University of Chicago, 1913—.

JAMES LAURENCE LAUGHLIN, PH.D., Professor and Head of the Department of Political Economy. Retired.

A.B., Harvard University, 1873; A.M. and Ph.D., Harvard University, 1876; Instructor in Political Economy, Harvard University, 1878–83; Assistant Professor of Political Economy, *ibid.*, 1883–8; Secretary and President of the Philadelphia Manufacturers' Mutual Fire Insurance Co., 1888–90; Professor of Political Economy and Finance, Cornell University, 1890–2; Professor and Head of the Department of Political Economy, University of Chicago, 1892–1916; Editor, the *Journal of Political Economy;* Member L'Institut International de Statistique; Exchange Professor in Berlin, 1906; Doctor, *honoris causa*, University of Giessen, 300th Jubilee, 1906; Delegate, Pan-American Scientific Congress, Santiago, Chile, 1908–9; Chairman, Executive Committee, National Citizens' League for the Promotion of a Sound Banking System, 1911–13.

FRANK RATTRAY LILLIE, PH.D., Professor of Embryology; Chairman of the Department of Zoölogy.

A.B., University of Toronto, 1891; Instructor in Zoölogy, University of Michigan, 1894–9; Professor of Biology, John P. Girard Chair of Natural History, Vassar College, 1899–1900; Head of the Department of Embryology, Marine Biological Laboratory at Woods Hole, 1893–1907; Assistant Director, *ibid.*, 1900–8; Director, *ibid.*, 1908—; Assistant Professor of Zoölogy and Embryology, University of Chicago, 1900–2; Assistant Curator of the Zoölogical Museum, *ibid.*, 1902—; Associate Professor, *ibid.*, 1902–7; Professor, *ibid.*, 1907—; Chairman of the Department of Zoölogy, *ibid*, 1911—; Managing Editor, *Biological Bulletin;* Associate Editor, *Journal of Experimental Zoölogy;* President, American Society of Zoölogists, 1905–8; Vice-President, American Society of Naturalists, 1914, President, 1915; Vice-President, American Association for the Advancement of Science, 1914; Member, National Academy of Sciences, 1915.

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A.B., Harvard University, 1892; Assistant in English, *ibid.*, 1892–3; Instructor in English, *ibid.*, 1893; Instructor in Rhetoric, University of Chicago, 1893–6; Assistant Professor of English, *ibid.*, 1896–1904; Dean in the Junior Colleges, *ibid.*, 1903–7; Associate Professor, *ibid.*, 1904–9; Dean of the Junior Colleges, *ibid.*, 1907—; Professor of English, *ibid.*, 1909—.

WILLIAM DARNALL MACCLINTOCK, A.M., Professor of English Literature.

A.B., Kentucky Wesleyan College, 1878; A.M., Kentucky Wesleyan College, 1882; Professor of English, Wells College, 1889–91; Assistant Professor of English Literature, University of Chicago, 1892–4; Associate Professor of English Literature, and Dean in the Junior Colleges, *ibid.*, 1894–1900; Professor of English Literature, *ibid.*, 1900—; Dean of University College, *ibid.*, 1900–5; Dean of the Junior College of Philosophy (Women), *ibid.*, 1905–10.

‡JULIAN WILLIAM MACK, LL.B., Professor of Law.

LL.B., Harvard University, 1887; Parker Fellowship, *ibid.*, 1887–90; Professor of Law, Northwestern University, 1895–1902; Professor of Law, University of Chicago, 1902—; Judge of Circuit Court, Cook County, Ill., 1903–11; Judge of Appellate Court, First District, Ill., 1909–11; United States Circuit Judge, 1911—.

ANDREW CUNNINGHAM MCLAUGHLIN, A.M., LL.B., LL.D., Professor and Head of the Department of History; Head of the Department of Church History.

A.B., University of Michigan, 1882; LL.B., *ibid.*, 1885; A.M. (hon.) *ibid.*, 1895; Instructor in Latin, University of Michigan, 1886; Instructor in History, *ibid.*, 1887; Assistant Professor of History, *ibid.*, 1888; Professor of American History, *ibid.*, 1891–1906; Director, Bureau of Historical Research, Carnegie Institution of Washington, 1903–5; Associate Editor, *American Historical Review*, 1898–1914; Managing Editor, *American Historical Review*, 1901–5; Professor and Head of the Department of History, University of Chicago, 1906—; Head of the Department of Church History, *ibid.*, 1908—; LL.D., University of Michigan, 1912.

JOHN MATTHEWS MANLY, PH.D., LL.D., LITT.D., Professor and Head of the Department of English.

A.M., Furman University, 1883; A.M., Harvard University, 1889; Ph.D., *ibid.*, 1890; Instructor in Anglo-Saxon, Society for the Collegiate Instruction of Women (now Radcliffe College), Oct., 1890—Feb., 1891; Acting Assistant Professor of the English Language and Literature, Brown University, January-June, 1891; Associate Professor of the English Language and Literature, *ibid.*, 1891–2; Professor of the English Language, *ibid.*, 1892–8; Professor and Head of the Department of English, University of Chicago, 1898—; Exchange Professor, University of Göttingen, 1909; LL.D., Furman University, 1912; Litt.D., Brown University, 1914.

LEON CARROLL MARSHALL, A.M., Professor of Political Economy; Dean of the Senior Colleges; Dean of School of Commerce and Administration.

A.B., Ohio Wesleyan University, 1900; A.B., Harvard University, 1901; A.M., *ibid.*, 1902; Assistant, *ibid*, 1902–3; Professor of Economics, Ohio Wesleyan University, 1903–7; Assistant Professor of Political Economy, University of Chicago, 1907–8; Associate Professor, *ibid.*, 1908–11; Dean of the School of Commerce and Administration, *ibid.*, 1909—; Professor of Political Economy, *ibid.*, 1911—; Dean of the Senior Colleges, *ibid.*, 1911—.

ALBERT PRESCOTT MATHEWS, PH.D., Professor of Physiological Chemistry; Chairman of the Department of Physiological Chemistry.

S.B., Massachusetts Institute of Technology, 1892; Assistant in Biology, *ibid.*, 1892–3; Occupant of Columbia University Table, Naples Zoölogical Station, 1896; Ph.D., Columbia University, 1898; Assistant in Physiology, Harvard Medical School; Instructor in Physiology, Tufts College Medical School, 1898–9; Assistant Professor of Physiology, *ibid.*, 1899–1900; Instructor in Physiology, Harvard Medical School, 1900–1; Assistant Professor of Physiological Chemistry, University of Chicago, 1901–4; Associate Professor, *ibid.*, 1904–5; Professor, *ibid.*, 1905—; Chairman of the Department of Physiology, *ibid.*, 1909–16; Chairman of the Department of Physiological Chemistry, 1916—.

SHAILER MATHEWS, A.M., D.D., LL.D., Professor of Historical and Comparative Theology; Chairman of the Department of Systematic Theology; Dean of the Divinity School.

A.B., Colby College, 1884; A.M., *ibid.*, 1887; D.D., *ibid.*, 1901; D.D., Oberlin College, 1908; D.D., Brown University, 1914; LL.D., Pennsylvania College, 1914; Associate Professor of Rhetoric, Colby College, 1887–9; Professor of History and

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Political Economy, Colby College, 1889–94; Associate Professor of New Testament History and Interpretation, University of Chicago, 1894–7; Professor of New Testament History and Interpretation, *ibid.*, 1897–1905; Junior Dean of the Divinity School, *ibid.*, 1899–1908; Professor of Systematic Theology, *ibid.*, 1905–6; Professor of Historical and Comparative Theology, *ibid.*, 1906—; Dean of the Divinity School, *ibid.*, 1908—; Editor, the *Biblical World*, 1913—; President, Western Economic Society, 1911—; President, Federal Council of the Churches of Christ in America, 1912–16; Director, Religious Work Department, Chautauqua Institute.

GEORGE HERBERT MEAD, A.B., Professor of Philosophy.

A.B., Oberlin College, 1883; A.B., Harvard University, 1888; Instructor in Philosophy, University of Michigan, 1891–3; Assistant Professor, *ibid.*, 1893–4; Assistant Professor of Philosophy, University of Chicago, 1894–1902; Associate Professor, *ibid.*, 1902–7; Professor, *ibid.*, 1907—.

FLOYD RUSSELL MECHEM, A.M., LL.D., Professor of Law.

Admitted to the bar, 1879; practiced law, Battle Creek and Detroit, Mich., 1879–92; engaged in legal authorship; founded Detroit College of Law; Member State Board of Law Examiners; A.M. (hon.), University of Michigan, 1894; LL.D., *ibid.*, 1912; Tappan Professor of Law, *ibid.*, 1892–1903; Professor of Law, University of Chicago, 1903—.

CHARLES EDWARD MERRIAM, PH.D., Professor of Political Science.

A.B., Lenox College, 1893; A.B., State University of Iowa, 1895; Instructor in Lenox College, 1895–6; A.M., Columbia University, 1898; Lecturer, *ibid.*, 1898–9; Ph.D., *ibid.*, 1900; Docent in Political Science, University of Chicago, 1900–2; Associate, *ibid.*, 1902–3; Instructor, *ibid.*, 1903–5; Assistant Professor, *ibid.*, 1905–7; Associate Professor, *ibid.*, 1907–11; Professor, *ibid.*, 1911—.

ELMER TRUESDELL MERRILL, M.A., LL.D., Professor of Latin.

B.A., Wesleyan University, 1881; M.A., *ibid.*, 1889; LL.D., University of St. Andrews, Quincentenary Celebrations, 1911; Professor of Latin, University of Southern California, 1887–8; Robert-Rich Professor of Latin, Wesleyan University, 1888–1905; Professor of Latin, Trinity College, Hartford, Conn., 1905–8; Professor, American School of Classical Studies in Rome, 1898–9; President, American Philological Association, 1906–7; Professor of Latin, University of Chicago, 1908—.

ALBERT ABRAHAM MICHELSON, PH.D., Sc.D., LL.D., F.R.S., Professor and Head of the Department of Physics.

Midshipman, U.S. Naval Academy, 1873; Instructor in Physics and Chemistry, U.S. Naval Academy, 1875–9; Nautical Almanac Office, Washington, 1880; Professor of Physics, Case School of Applied Science, 1883–9; Corresponding Member, British Association for the Advancement of Science, 1884; Ph.D. (hon.), Western Reserve University, 1886, and Stevens Institute, 1887; Vice-President, American Association for the Advancement of Science, 1887; Member, National Academy of Sciences, 1888; Rumford Medal, 1889; Professor of Physics, Clark University, 1889–92; Professor and Head of the Department of Physics, University of Chicago, 1892—; Bureau International des Poids et Mesures, 1892–3; Member, Société Française de Physique, 1893; Fellow, Royal Astronomical Society, 1896; Foreign Member, Société Hollandaise des Sciences, 1897; Hon. Member, Cambridge Philosophical Society, 1897; Member (for the United States), International Committee of Weights and Measures, 1897; Sc.D. (hon.), Cambridge, 1899; Hon. Member, Royal Institution, 1899; Membre correspondant de l'Académie des Sciences, Paris, 1900; Grand Prix, Exposition générale de Paris, 1900; President, American Physical Society, 1900; LL.D., Yale University, 1901; Member, American Philosophical Society, 1902; Fellow, Royal Society, 1902; Mattencci Medal Soc. Italiana, Rome, 1904; LL.D., University of Pennsylvania, 1906; Member, Kungliga, Vetenskaps Akademien, Stockholm, 1906; Member, Reale Accademia dei Lincei, Rome, 1906; Copley Medal, 1907; Nobel Prize, 1907; Hon. Member, Royal Irish Academy, 1908; Ph.D., University of Leipzig, 1909; President, American Association for the Advancement of Science, 1910–11; Exchange Professor, University of Göttingen, Summer Semester, 1911; Ph.D., Georg-August University, Göttingen, 1911; Member, Deutsche Physikalische Gesellschaft, Berlin, 1911; Member, Kungliga Fysiografiska Sällskapet, Lund, 1911; Ph.D., Royal Frederick University, Christiania, 1911; Elliott Cresson Medal, Franklin Institute, 1912; Draper Medal, National Academy of Science, 1916.

FRANK JUSTUS MILLER, PH.D., LL.D., Professor of Latin; Dean in the Junior Colleges.

A.B., Denison University, 1879; Professor of Latin, Clinton College, 1880–1; A.M., Denison University, 1882; Ph.D., Yale University, 1892; Instructor in Latin, University of Chicago, 1892–4; Assistant Examiner, *ibid.*, 1892–6; Examiner of Affiliations, *ibid.*, 1896–8; Assistant Professor of Latin, *ibid.*, 1894–1901; Dean of Affiliations, *ibid.*, 1898–1904; Associate Professor, *ibid.*, 1901–9; Examiner for Secondary Schools, *ibid.*, 1904–11; Managing Editor, *Classical Journal*, 1908—; Professor of Latin, University of Chicago, 1909—; LL.D., Denison University, 1909; Dean in the Junior College, University of Chicago, 1911—.

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ADDISON WEBSTER MOORE, PH.D., Professor of Philosophy.

A.B., De Pauw University, 1890; A.M., *ibid.*, 1893; Ph.D., University of Chicago, 1898; Instructor in English, De Pauw University, 1892–3; Assistant in Philosophy, University of Chicago, 1895–7; Associate, *ibid.*, 1897–8; Instructor, *ibid.*, 1899–1902; Assistant Professor of Philosophy, *ibid.*, 1902–4; Associate Professor, *ibid.*, 1904–9; Professor, *ibid.*, 1909—; President, Western Philosophical Association, 1912.

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A.B., Yale University, 1883; Ph.D., *ibid.*, 1885; Assistant Professor of Mathematics, Northwestern University, 1889–91; Associate Professor of Mathematics, *ibid.*, 1891–2; Professor of Mathematics, University of Chicago, 1892—; Head of the Department of Mathematics, *ibid.*, 1896—; A.M., Ph.D. (hon.), University of Göttingen, 1899; Editor, *Transactions of the American Mathematical Society*, 1899–1907; President, American Mathematical Society, 1901–3; Associate Fellow, American Academy of Arts and Sciences, 1901—; Member of National Academy of Sciences, 1901—; LL.D., University of Wisconsin, 1904; Editor, *Rendiconti del Circolo Matematico di Palermo*, 1908—; Sc.D., Yale University, 1909; Math.D., Clark University, 1909; Vice-President, American Association for the Advancement of Science, 1911; Vice-President, V, International Congress of Mathematicians, Cambridge, 1912; Honorary Corresponding Member, British Association for the Advancement of Science, 1913—; Associate Editor, *Proceedings of the National Academy of Sciences*, 1915—; Member of the National Research Council and Chairman of its Mathematics Committee, 1917—.

FOREST RAY MOULTON, PH.D., Professor of Astronomy.

A.B., Albion College, 1894; Instructor in Astronomy and Assistant in the Observatory, *ibid.*, 1892–4; Superintendent of Manufacturing Statistics, State Census of Michigan, 1894–5; Assistant, 1896–8; Ph.D., *ibid.*, 1899; Associate, *ibid.*, 1898–1900; Instuctor, *ibid.*, 1900–3; Assistant Professor of Astronomy, *ibid.*, 1903–8; Research Associate, Carnegie Institution of Washington, 1908—; Associate Professor, University of Chicago, 1908–12; Professor, *ibid.*, 1912—; Member, National Academy of Science, 1910—; Associate Editor, *Transactions of the American Mathematical Society*, 1908—; Honorary Corresponding Member, British Association for the Advancement of Science, 1913—; Vice-President, American Mathematical Society, 1915—.

RICHARD GREEN MOULTON, PH.D., Professor of Literary Theory and Interpretation; Head of the Department of General Literature.

A.B., London University, 1869; A.B., University of Cambridge, 1874; A.M. *ibid.*, 1877; Cambridge University Extension Lecturer in Literature, 1874–90; Ph.D., University of Pennsylvania, 1891; Professor of Literature (in English), University of Chicago, 1892–1901; Professor of Literary Theory and Interpretation, and Head of the Department of General Literature, *ibid.*, 1901—.

GEORGE WILLIAM MYERS, PH.D., Professor of the Teaching of Mathematics and Astronomy in the School of Education.

B.L., University of Illinois, 1888; M.L., *ibid.*, 1891; Ph.D., Ludwig Maximilians Universität zu München, 1896; Instructor in Mathematics, University of Illinois, 1888–90; Assistant Professor of Mathematics, *ibid.*, 1890–5; Associate Professor of Mathematics, *ibid.*, 1895–6; Associate Professor of Astronomy and Mathematics, and Director of the Observatory, *ibid.*, 1895–7; Professor of Astronomy and Applied Mathematics, and Director of the Observatory, *ibid.*, 1897–1900; Fellow, American Association for the Advancement of Science; Member, Astronomical and Astrophysical Society of America; Member, Circolo Matematico di Palermo; Member, Société Mathematique de France; Hon. Member, Sociedad Astronomica de Mexico; Hon. Member, Scandinavian Technical Society of Chicago; Astronomical Editor, *School Science and Mathematics;* Editor, *School of Education Mathematical Manuals and Texts;* Professor of the Teaching of Mathematics and Astronomy and Mathematical Supervisor in the School of Education, University of Chicago, 1901—.

HORATIO HACKETT NEWMAN, PH.D., Professor of Zoölogy and Embryology. Dean in the Colleges of Science.

A.B., McMaster University, 1896; Ph.D., University of Chicago, 1905; Instructor in Zoölogy, University of Michigan, 1905–8; Assistant Professor (elect), *ibid.*, 1908;

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Professor and Head of the School of Zoölogy, University of Texas, 1908–11; Associate Professor of Zoölogy and Embryology, University of Chicago, 1911–17; Dean in the Colleges of Science, 1915—; Professor, *ibid.*, 1917—.

WILLIAM ALBERT NITZE, PH.D., Professor and Head of the Department of Romance Languages and Literatures.

A.B., Johns Hopkins University, 1894; Ph.D., *ibid.*, 1899; Lecturer in Romance Languages, Columbia University, 1899–1903; Associate Professor of Romance Languages, Amherst College, 1903–5; Professor, *ibid.*, 1905–8; Professor of Romanic Languages, University of California, 1908–9; Professor and Head of the Department of Romance Languages and Literatures, University of Chicago, 1906—.

SAMUEL CHESTER PARKER, A.M., Professor of Education.

A.B., University of Cincinnati, 1901; Professor of Education, Miami University, 1903–9; Associate Professor of Education, University of Chicago, 1909–13; Dean of the College of Education, *ibid.*, 1911–16; Professor of Education, *ibid.*, 1913—.

KARL PIETSCH, PH.D., Professor of Romance Philology.

Ph.D., University of Halle, 1887; Assistant Librarian, Newberry Library, Chicago, 1890–6; Instructor in Romance Languages, University of Chicago, 1896–1900; Assistant Professor of Romance Languages, *ibid.*, 1900–1; Associate Professor of Romance Philology, *ibid.*, 1901–10; Professor, *ibid.*, 1910—; Corresponding Member of the Royal Spanish Academy, 1910.

HENRY WASHINGTON PRESCOTT, PH.D., Professor of Classical Philology.

A.B., Harvard University, 1895; A.M., *ibid.*, 1896; Ph.D., *ibid.*, 1901; Instructor in Latin, Trinity College, Hartford, Conn., 1898–9; Instructor in Greek and Latin, Harvard University, 1899–1901; Instructor in Latin, University of California, 1901–4; Assistant Professor of Classical Philology, *ibid.*, 1904–9; Associate Professor, *ibid.*, January–June, 1909; Associate Professor of Classical Philology, University of Chicago, 1909–11; Professor, *ibid.*, 1911—.

IRA MAURICE PRICE, PH.D., LL.D., Professor of the Semitic Languages and Literatures; Secretary of Department of Oriental Languages and Literatures.

A.B., Denison University, 1879; Professor of Greek and Modern Languages, University of Des Moines (now Des Moines College), 1879–80; D.B., Baptist Union Theological Seminary, 1882; A.M., Denison University, 1882; Instructor in Hebrew, Wheaton Theological Seminary, 1882–3; A.M. and Ph.D., University of Leipzig, 1886; Instructor in Hebrew and the Cognate Languages, Baptist Union Theological Seminary, 1886–8; Professor, *ibid.*, 1888–92; Associate Professor of the Semitic Languages and Literatures, University of Chicago, 1892–1900; Professor, *ibid.*, 1900—; LL.D., Denison University, 1903.

MYRA REYNOLDS, PH.D., Professor of English Literature; Head of Foster House.

A.B., Vassar College, 1880; A.M., *ibid.*, 1892; Instructor in English, Wells College, 1880–2; Instructor in English Literature, Vassar College, 1885–92; Assistant in English Literature, University of Chicago, 1894–5; Ph.D., *ibid.*, 1895; Instructor, *ibid.*, 1895–7; Assistant Professor, *ibid.*, 1897–1902; Associate Professor, *ibid.*, 1903–11; Professor, *ibid.*, 1911—.

ROLLIN D. SALISBURY, A.M., LL.D., Professor of Geographic Geology; Head of the Department of Geography; Dean of the Ogden Graduate School of Science.

Ph.B., Beloit College, 1881; A.M. *ibid.*, 1884; Instructor in Geology and Biology, *ibid.*, 1883–4; Professor of Geology, *ibid.*, 1884–91; Assistant U.S. Geologist, 1882–92; Geologist, U.S. Geological Survey, 1892—; Geologist in charge of Pleistocene Geology of New Jersey, 1891—; Professor, University of Wisconsin, 1891–2; Professor of Geographic Geology, University of Chicago, 1892—; Dean of the University Colleges, *ibid.*, 1894–6; Dean of the Ogden Graduate School of Science, *ibid.*, 1899—; Head of the Department of Geography, *ibid.*, 1903—; LL.D., Beloit College, 1904.

WALTER SARGENT, Professor of Art Education.

Massachusetts Normal Art School, 1891; Academies of Colorassi and of Delecluse, Paris, 1894, 1900; State Supervisor of Manual Arts, Massachusetts, 1903–6; Director of Drawing and Manual Training, Boston, 1906–9; Professor of Education, University of Chicago, 1909—.

FERDINAND SCHEVILL, PH.D., Professor of Modern History.

A.B., Yale College, 1889; Ph.D., University of Freiburg, 1892; Assistant in History and German, University of Chicago, 1892–3; Associate in History, *ibid.*, 1893–5; Instructor, *ibid.*, 1895–9; Assistant Professor, *ibid.*, 1899–1904; Associate Professor, *ibid.*, 1904–9; Professor of Modern History, *ibid.*, 1909—.

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MARTIN SCHÜTZE, PH.D., Professor of German Literature.

Professor of German, Beaver College, 1894–5; Ph.D., University of Pennsylvania, 1899; Instructor in German, Northwestern University, 1900–1; Associate in German, University of Chicago, 1901–3; Instructor, *ibid.*, 1903–7; Assistant Professor, *ibid.*, 1907–11; Associate Professor, *ibid.*, 1911–15; Professor, *ibid.*, 1915—.

PAUL SHOREY, PH.D., LL.D., LITT.D., Professor and Head of the Department of Greek.

A.B., Harvard College, 1878; Ph.D., University of Munich, 1884; Professor of Greek, Bryn Mawr College, 1885–92; Professor of Greek, University of Chicago, 1892–6; Head of the Department of Greek, *ibid.*, 1896—; Annual Associate Director American School of Classical Studies at Athens, 1901–2; LL.D., Iowa College, 1905; President, American Philological Association, 1910; Litt.D., University of Wisconsin, 1911; LL.D., University of Missouri, 1913; Roosevelt Exchange Professor, University of Berlin, 1913–14; Litt.D., Brown University, 1914; LL.D., University of Michigan, 1915.

HERBERT ELLSWORTH SLAUGHT, PH.D., SC.D., Professor of Mathematics.

A.B., Colgate University, 1883; A.M., *ibid.*, 1886; Ph.D., University of Chicago, 1898; Assistant, *ibid.*, 1895–6; Associate, *ibid.*, 1896–7; Instructor, *ibid.*, 1897–1900; Assistant Professor, *ibid.*, 1900–8; Secretary, Board of Recommendations, *ibid.*, 1901–14; Editor, *American Mathematical Monthly*, 1907—; Associate Professor of Mathematics, University of Chicago, 1908–13; Sc.D., Colgate University, 1911; Professor of Mathematics, University of Chicago, 1913—.

ALBION WOODBURY SMALL, PH.D., LL.D., Professor and Head of the Department of Sociology; Dean of the Graduate School of Arts and Literature.

A.B., Colby University, 1876; A.M., *ibid.*, 1879; LL.D., *ibid.*, 1900; Professor of History and Political Economy, Colby University, 1881–8; Ph.D., *ibid.*, 1889; President of Colby University, 1889–92; Professor and Head of the Department of Sociology, University of Chicago, 1892—; Editor, *American Journal of Sociology;* Dean of the Graduate School of Arts and Literature, University of Chicago, 1905—; President, American Sociological Society, 1912–14.

GERALD BIRNEY SMITH, A.M., D.B., D.D., Professor of Christian Theology.

A.B., Brown University, 1891; A.M., Columbia University, 1898; D.B., Union Theological Seminary, 1898; D.D., Brown University, 1909; Instructor in Systematic Theology, University of Chicago, 1900–4; Assistant Professor, *ibid.*, 1904–6; Associate Professor, *ibid.*, 1906–13; Professor, *ibid.*, 1913—.

JOHN MERLIN POWIS SMITH, PH.D., Professor of Old Testament Language and Literature.

A.B., Des Moines College, 1893; Ph.D., University of Chicago, 1899; Editorial Secretary to President William R. Harper, 1899–1907; Docent in Semitic Languages and Literatures, University of Chicago, 1899–1901; Assistant, *ibid.*, 1901–2; Associate, *ibid.*, 1902–5; Instructor, *ibid.*, 1905–8; Assistant Professor, *ibid.*, 1908–12; Associate Professor, *ibid.*, 1912–15; Professor, *ibid.*, 1915—; Editor, *American Journal of Semitic Languages and Literatures*, 1915—.

THEODORE GERALD SOARES, PH.D., D.D., Professor of Homiletics and Religious Education; Head of the Department of Practical Theology.

A.B., University of Minnesota, 1891; A.M., *ibid.*, 1892; Ph.D., *ibid.*, 1894; D.B., *ibid.*, 1897; D.D., Knox College, 1901; Pastor, Rockford, Ill., 1894–9, Galesburg, Ill., 1899–1902, Oak Park, Ill., 1902–5; University Extension Lecturer in Biblical Literature, University of Chicago, 1899–1905; Professor of Homiletics, *ibid.*, 1906–8; Professor of Homiletics and Religious Education, *ibid.*, 1908—; Head of the Department of Practical Theology, *ibid.*, 1909—.

AMOS ALONZO STAGG, A.B., Professor and Director of the Department of Physical Culture.

A.B., Yale University, 1888; Instructor in the Practice and Theory of Training, International Y.M.C.A. Training School, Springfield, Mass., 1891; Associate Professor and Director of the Division of Physical Culture, University of Chicago, 1892–1900; Professor and Director of Physical Culture, *ibid.*, 1900—; Member, National Football Rules Committee, 1904—; Member, American Committee, Olympian Games, (Athens) 1906, (London) 1908, (Stockholm) 1912; President, Society of Directors of Physical Education in Colleges, 1910–11; Master of Physical Education, International Young Men's Christian College, 1912.

JULIUS STIEGLITZ, PH.D., SC.D., CHEM.D., Professor and Chairman of the Department of Chemistry; Director of the Laboratories.

A.M. and Ph.D., University of Berlin, 1889; Docent in Chemistry, University of Chicago, 1892–3; Assistant, *ibid.*, 1893–4; Instructor in Chemistry, *ibid.*, 1894–7; Assistant Professor, *ibid.*, 1897–1902; Associate Professor, *ibid.*, 1902–5; Professor, *ibid.*,

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1905—; Director of Analytical Chemistry, *ibid.*, 1909; Chairman of the Department of Chemistry, 1915—; Member, Council on Chemistry and Pharmacy, American Medical Association, 1905—; Sc.D., Clark University, 1909; Member, International Commission on Annual Tables of Constants, 1910—; Member, National Academy of Sciences, 1911—; Member, American Academy Arts and Sciences, 1914; Associate Editor, *Journal of the American Chemical Society*, 1910—; Director of the Laboratories, University of Chicago, 1912—; Chem.D., University of Pittsburgh, 1916; President, American Chemical Society, 1917; President, Sigma Xi Society, 1917.

MARION TALBOT, A.M., LL.D., Professor of Household Administration; Dean of Women; Head of Green Hall.

A.B., Boston University, 1880; A.M., *ibid.*, 1882; S.B., Massachusetts Institute of Technology, 1888; Instructor in Domestic Science, Wellesley College, 1890–2; Assistant Professor of Sanitary Science, University of Chicago, 1892–5; Dean of Women, *ibid.*, 1892—; Associate Professor of Sanitary Science, *ibid.*, 1895–1904; LL.D., Cornell College, 1904; Associate Professor of Household Administration, University of Chicago, 1904–5; Professor of Household Administration, *ibid.*, 1905—; Dean of the Junior College of Science (Women), *ibid.*, 1905–9; Dean in the Junior Colleges, *ibid.*, 1909–11.

FRANK BIGELOW TARBELL, PH.D., Professor of Classical Archaeology.

A.B., Yale College, 1873; Ph.D., *ibid.*, 1879; Tutor in Greek, *ibid.*, 1876–82; Assistant Professor of Greek and Instructor in Logic, *ibid*, 1882–7; Annual Director, American School of Classical Studies at Athens, 1888–9; Instructor in Greek, Harvard University, 1889–92; Secretary, American School of Classical Studies at Athens, 1892–3; Associate Professor of Greek, University of Chicago, 1892–4; Professor of Classical Archaeology, *ibid.*, 1894—.

BENJAMIN TERRY, PH.D., LL.D., Professor of English History.

A.B., Colgate University, 1878; A.M., *ibid.*, 1881; Ph.D., Freiburg, 1892; LL.D., Colgate University, 1903; Professor of Civil History, Colgate University, 1885–9; Professor of History and Political Science, *ibid.*, 1889–92; Professor of Mediaeval and English History, University of Chicago, 1892–1910; Dean of the Senior Colleges, *ibid.*, 1895–9; Professor of English History, *ibid.*, 1910—.

WILLIAM ISAAC THOMAS, PH.D., Professor of Sociology.

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WALTER SHELDON TOWER, PH.D., Professor of Geography.

A.B., Harvard University, 1903; A.M., *ibid.*, 1904; Ph.D., University of Pennsylvania, 1906; Instructor in Geography, *ibid.*, 1906–8; Assistant Professor, *ibid.*, 1908–11; Assistant Professor of Geography, University of Chicago, 1911–14; Associate Professor, *ibid.*, 1914–17; Professor, *ibid.*, 1917—.

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A.B., Amherst College, 1884; D.B., Yale University, 1889; Instructor in Mathematics, Amherst College, 1885–7; A.M., *ibid.*, 1890; Instructor in Philosophy, University of Michigan, 1889–91; Ph.D., University of Freiburg in Baden, 1892; Assistant Professor of Philosophy, University of Chicago, 1892–4; Associate Professor of Philosophy, *ibid.*, 1894–1900; LL.D., Amherst College, 1904; Dean of the Senior Colleges, University of Chicago, 1899–1904, 1907–8; Professor of Philosophy, *ibid.*, 1900—; Head of the Department of Philosophy, *ibid.*, 1905—; President, Western Philosophical Association, 1906, 1914; President, American Philosophical Association, 1914.

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S.B., Cornell University, 1894; Ph.D., Yale University, 1901; Assistant in Geology, Cornell University, 1893–4; Assistant in Paleontology, Yale University, 1894–5; Geologist, Geological Survey of Illinois, 1906—. Assistant Geologist, U.S. Geological Survey, 1901–6; Geologist, *ibid.*, 1906—; Assistant in Paleontologic Geology, University of Chicago, 1895–7; Associate, *ibid.*, 1897–1900; Instructor, *ibid.*, 1900–1; Assistant Professor, *ibid.*, 1902–8; Associate Professor, *ibid.*, 1908–15; Professor, *ibid.*, 1915—.

HARRY GIDEON WELLS, A.M., PH.D., M.D., Professor of Pathology.

Ph.B., Yale University, 1895; A.M., Lake Forest University, 1897; M.D., Rush Medical College, 1898; Ph.D., University of Chicago, 1903; Assistant in Pathology, Rush Medical College, 1901; Associate in Pathology, University of Chicago, 1901–2; Instructor, *ibid.*, 1903–4; Assistant Professor of Pathology, *ibid.*, 1904–9; Dean in Medical Work, *ibid.*, 1904–16; Pathologist to the Cook County Hospital, 1906—; Associate Professor of Pathology, University of Chicago, 1909–13; Director of the Otho S. A. Sprague Memorial Institute, 1911—; A.M. (hon.), Yale University, 1912; Professor of Pathology, University of Chicago, 1913—.

ERNEST JULIUS WILCZYNSKI, PH.D., Professor of Mathematics.

Ph.D., University of Berlin, 1897; Nautical Almanac, 1898; Instructor in Mathematics, University of California, 1898–1902; Assistant Professor, *ibid.*, 1902–6; Associate Professor, *ibid.*, 1906–7; Research Assistant and Associate, Carnegie Institution of Washington, 1903–5; Associate Professor, University of Illinois, 1907–10; Laureate, Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique, 1909; Associate Professor of Mathematics, University of Chicago, 1910–14; Professor, *ibid.*, 1914—.

ERNEST HATCH WILKINS, PH.D., Professor of Romance Languages.

A.B., Amherst College, 1901; A.M., *ibid.*, 1903; Ph.D., Harvard University, 1910; Instructor in Romance Languages, Amherst College, 1900–4, and in Latin, 1901–4; Instructor in Italian and Spanish, Harvard University, 1906–7; Instructor in Romance Languages, *ibid.*, 1907–12; Associate Professor of Romance Languages, University of Chicago, 1912–16; Professor, *ibid.*, 1916—.

WILLIAM CLEAVER WILKINSON, A.M., D.D., LL.D., Professor of Poetry and Criticism.

A.B., University of Rochester, 1857; A.M., *ibid.*, 1863; Professor of Modern Languages, University of Rochester, 1863–4; Professor of Homiletics and Pastoral Theology, Rochester Theological Seminary, 1872–81; D.D., University of Rochester, 1873; Professor of Poetry and Criticism, University of Chicago, 1892—; LL.D., Baylor University, 1904.

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A.B., Bethany College, 1886; A.M., *ibid.*, 1887; Pastor, Dayton, Ohio, 1887–93; Instructor, Bible Chair, Ann Arbor, Mich., 1893–5; Ph.D., University of Chicago, 1896; Assistant in Semitic Languages, *ibid.*, 1896–7; Instructor, *ibid.*, 1897–1900; University of Berlin, 1898–9; Acting Dean and Head of the Disciples' Divinity House, University of Chicago, 1894–6; Dean, *ibid.*, 1896—; Assistant Professor of the Semitic Languages and Literatures, *ibid.*, 1900–1909; Associate Professor, *ibid.*, 1909–15; Professor, *ibid.*, 1915—.

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S.B., Kansas Agricultural College, 1872; A.M., *ibid.*, 1875; M.D., Yale University, 1880; Ph.D., *ibid.*, 1885; Sc.D., *ibid.*, 1913; Assistant in Paleontology and Osteology, Yale University, 1876–85; Assistant Paleontologist, U.S. Geological Survey, 1882–5; Professor of Anatomy, Yale University, 1886–90; Health Officer, City of New Haven, 1888–90; Professor of Historical Geology and Anatomy, and Dean of the Medical School, University of Kansas, 1890–1902; Professor of Paleontology, University of Chicago, 1902—; Director of Walker Museum, 1916—; Member, National Academy of Sciences.

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ALONZO KETCHAM PARKER, D.D., Professorial Lecturer on Modern Missions in the Divinity School; University Recorder. Retired.

A.B., University of Rochester, 1866; Graduate, Rochester Theological Seminary, 1870; Pastor, Amenia, N.Y., 1871–79; Pastor, Chicago, 1879–1901; D.D., Baptist Union Theological Seminary, 1885; Member, Board of Trustees, University of Chicago, 1891–1901; Professorial Lecturer on Modern Missions, *ibid.*, 1901–13; University Recorder, *ibid.*, 1901–13; Head of Hitchcock House, *ibid.*,1902–9; Member, Board of Trustees, Vassar College, 1911–13.

MARTIN ANDRÉ ROSANOFF, PH.B., SC.D., Professorial Lecturer in Chemistry.

Ph.B., New York University, 1895; Sc.D., *ibid.*, 1908; Research Assistant to Thomas A. Edison, 1904; Instructor and Assistant Professor of Theoretical Chemistry, New York University, 1904–7; Professor and Director of the Graduate Department of Chemistry, Clark University, 1907–14; Professor of Chemistry, University of Pittsburgh, 1914–15; Willard Gibbs Professor of Research in Pure Chemistry, Mellon Institute, University of Pittsburgh, since 1915; Fellow of the American Academy; Professorial Lecturer in Chemistry, University of Chicago, 1917—.

LORADO TAFT, N.A., Professorial Lecturer on the History of Art.

Graduate, University of Illinois, 1879; Instructor, Art Institute, Chicago, 1886–1907; Lecturer on Art, University Extension Division, University of Chicago, 1892–1900; Lecturer on the History of Sculpture, Art Institute, Chicago; Member, Illinois State Art Commission; Member, National Institute of Arts and Letters, National Sculpture Society; National Academy of Design, 1911; Professorial Lecturer on the History of Art, University of Chicago, 1909—.

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A.B., Mt. Allison University College, New Brunswick, 1882; Bachelor of Medicine, Master in Surgery, Edinburgh University, 1888; M.D., *ibid.*, 1891; M.R.C.P., *ibid.*, 1892; F.R.C.P., *ibid.*, 1893; F.R.S., *ibid.*, 1895; F.A.C.S., 1913; post-graduate study in Leipzig, Berlin, Paris; First Assistant to Professor of Obstetrics and Gynecology, Edinburgh University, 1890–96; Lecturer on Gynecology, McGill University, 1897–99; Professor of Obstetrics and Gynecology, Rush Medical College, 1899—; Professorial Lecturer on Obstetrics and Gynecology, University of Chicago, 1902—.

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A.B., University of Michigan, 1868; A.M., *ibid.*, 1871; Professor of Ancient Languages, Albion College, 1870–71; Instructor in Latin, University of Michigan, 1871–75; Ph.D., University of Leipzig, 1892; Assistant Professor of the English Language, University of Chicago, 1892–96; Associate Professor, *ibid.*, 1896–1913.

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CLARENCE FASSETT CASTLE, PH.D., Associate Professor of Greek on the Edward Olson Foundation.

A.B., Denison University, 1880; Tutor in Greek and Latin, Denison University, 1882–86; Ph.D., Yale University, 1888; Professor of Greek, Bucknell University, 1888–92; Assistant Professor of Greek, University of Chicago, 1892–95; Associate Professor, *ibid.*, 1895—; Dean in the Junior Colleges, *ibid.*, 1898–1905.

JOHN MAURICE CLARK, PH.D., Associate Professor of Political Economy.

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SOLOMON HENRY CLARK, PH.B., Associate Professor of Public Speaking.

Lecturer, Trinity University, 1888–92; Reader in Elocution, University of Chicago, 1892–94; Instructor, *ibid.*, 1894–97; Ph.B., *ibid.*, 1897; Assistant Professor of Public Speaking, *ibid.*, 1897–1901; Associate Professor, *ibid.*, 1901—.

WILLIAM CROCKER, PH.D., Associate Professor of Plant Physiology.

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TOM PEETE CROSS, PH.D., Associate Professor of English and Celtic.

A.B., Hampden-Sidney College, Va., 1899; Instructor in English and Mathematics, *ibid.*, 1899–1900; S.B., *ibid.*, 1900; A.M., Harvard University, 1906; Ph.D., *ibid.*, 1909; Instructor in English, Harvard University, 1910–11; Professor of English, Sweet Briar College, 1911–12; Professor of English, University of North Carolina, 1912–13; Associate Professor of English and Celtic, University of Chicago, 1913—.

EDWIN PRESTON DARGAN, PH.D., Associate Professor of French Literature.

Ph.D., Johns Hopkins University, 1906; Instructor in Romance Languages, University of Virginia, 1906–7; Adjunct Professor, *ibid.*, 1907–10; Assistant Professor of French, University of California, 1910–11; Assistant Professor of French Literature, University of Chicago, 1911–15; Associate Professor, *ibid.*, 1915—.

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Ecole Monge, Paris, 1881–88; Student and Teacher of French, French-American College, Springfield, Mass., 1897–1900; A.B., University of Chicago, 1902; Assistant in French, University of Chicago, 1902–4; Associate, *ibid.*, 1904–7; A.M., *ibid.*, 1905; Instructor, *ibid.*, 1907–10; Assistant Professor of French Literature, *ibid.*, 1910–17; Associate Professor, *ibid.*, 1917—.

‡WALTER FAIRLEIGH DODD, PH.D., Associate Professor of Political Science.

A.B., Florida State College, 1898; in charge of foreign law collection, Library of Congress, 1904–7; Ph.D., University of Chicago, 1905; research appointment, Johns Hopkins University, 1908–10; Associate, Assistant Professor, Associate Professor, University of Illinois, 1910–15; Associate Professor of Political Science, University of Chicago, 1915—.

ELLIOT ROWLAND DOWNING, PH.D., Associate Professor of Natural Science in the College of Education.

S.B., Albion College, 1889; Instructor in Science, Beloit College Academy, 1891–96; S.M., Albion College, 1894; Ph.D., University of Chicago, 1901; Professor of Biology, Northern State Normal School, Mich., 1901–11; Assistant Professor of Zoölogy in the College of Education, University of Chicago, 1911–14; Associate Professor of Natural Science, *ibid.*, 1914—; Editor, *Nature Study Review*, 1911–17.

GERTRUDE DUDLEY, Associate Professor of Physical Culture; Head of Kelly Hall.

Mt. Holyoke College, 1887–90; Anderson Normal School, 1894–96; Baron Posse Summer School, Boston, 1895; Assistant, Chautauqua School of Physical Education, 1896; Teacher of Gymnastics and Physiology, The Misses Mackie School, Newburgh, N.Y., 1896–98; Emerson's Summer School, 1897; Instructor in Physical Culture, University of Chicago, 1898–1909; Dean of Women and Lecturer, School of Physical Education, Yale University, Summers, 1905, 1906, 1907; Assistant Professor of Physical Culture, University of Chicago, 1909–16; Head of Kelly Hall, *ibid.*, 1909—; Associate Professor of Physical Culture, *ibid.*, 1916—.

JAMES ALFRED FIELD, A.B., Associate Professor of Political Economy.

A.B., Harvard University, 1903; Assistant in Economics, *ibid.*, 1903–4; Instructor in Economics, *ibid.*, 1906–8; Instructor in Economics, Radcliffe College, 1906–7; Instructor in Political Economy, University of Chicago, 1908–10; Assistant Professor of Political Economy, *ibid.*, 1910–13; Associate Professor, *ibid.*, 1913—; Managing Editor, *Journal of Political Economy*, 1909–10, 1911—.

MARTHA FLEMING, Associate Professor of the Teaching of Speech, Reading, Oral Reading, and Dramatic Art in the College of Education. Retired.

Graduate, State Normal University, 1872; taught, Lake Forest University and Chicago Kindergarten College, 1891–96; Assistant in the University of Chicago, 1896; Chicago Normal School, 1896–97; Associate Professor of the Teaching of Speech, Oral Reading, and Dramatic Art in the College of Education, University of Chicago, 1901–13.

EDITH FOSTER FLINT, PH.B., Associate Professor of English.

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A.B., Wesleyan University, 1904; A.M., Yale University, 1906; Assistant in Psychology, *ibid.*, 1906–8; Acting Professor of Psychology and Education, Washington College, Md., 1907; Ph.D., Yale University, 1908; Instructor in Educational Psychology, University of Chicago, 1909–13; Assistant Professor, *ibid.*, 1913–17; Associate Professor, *ibid.*, 1917—.

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FRANK MITCHELL LEAVITT, Associate Professor of Industrial Education.

Student of Mechanic Arts, Massachusetts Institute of Technology, 1886–87; Assistant Instructor in Carpentry, *ibid.*, 1887–88; Assistant Instructor in Machine Shop-work and Mechanical Drawing, *ibid.*, 1888–89; Boston Public Schools, 1889–1910; Secretary, Department of Manual Training, National Education Association, 1904, 1905, and President, 1906, 1907; President, Eastern Manual Training Association, 1908; Associate Professor of Industrial Education, University of Chicago, 1910—; President, Illinois Manual Arts Association, 1912, 1913; President, National Vocational Guidance Association, 1914.

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RALPH EMERSON HOUSE, PH.D., Assistant Professor of Romance Languages.

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CARL FREDERICK HUTH, JR., A.M., Assistant Professor of History.

A.B., University of Wisconsin, 1904; A.M., *ibid.*, 1905; Instructor in History, Syracuse University, 1908–9; Lecturer in History, Columbia University, 1909–10; Instructor in History, University of Chicago, 1910–14; Assistant Professor of History, *ibid.*, 1914—.

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A.B., A.M., University of Virginia, 1898; Assistant in French and English, *ibid.*, 1898–99; Instructor in French, University of Chicago, 1915—.

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A.B., Ohio Wesleyan University, 1898; A.M., *ibid.*, 1900; Instructor in English, *ibid.*, 1900–10; Assistant Professor in English, *ibid.*, 1910–11; Ph.D., University of Chicago, 1915; Associate in English, *ibid.*, 1913–15; Instructor in English, *ibid.*, 1915—.

BERNICE ALLEN, ED.B., Instructor in Home Economics.

Ed.B. and S.B., University of Chicago, 1909; Instructor in Home Economics, *ibid.*, 1913—.

CLARENCE EDWIN AYRES, A.M., Instructor in Philosophy.

A.B., Brown University, 1912; A.M., *ibid.*, 1914; Assistant in Philosophy, *ibid.*, 1913–14; Instructor in Logic, Amherst College, 1915–16; Instructor in Philosophy, University of Chicago, 1917—.

MARGARET T. BELL, S.B., Instructor in Physical Culture.

Graduate, Sargent Normal School, 1910; Harvard Medical School, 1914; S.B., University of Chicago, 1915; Instructor, South Park Playgrounds, Summer, 1907–8–9; Instructor, Hall House, Boston, Mass., 1910; Instructor, South Park Playgrounds, 1910, and Supervisor Chicago Public Schools; Instructor in Physical Education, Englewood High School, 1911–16; Instructor in Physical Education, University of Chicago, 1916—.

BENJAMIN F. BILLS, PH.B., J.D., Instructor in Law; Instructor in Political Science.

Ph.B., University of Chicago, 1911; J.D., *ibid.*, 1913; Instructor, *ibid.*, 1913–14; Instructor, Williams College, 1915–16; Instructor, University of Chicago, 1916—.

ALBERT GORDON BOWER, M.D., Instructor in Hygiene and Bacteriology.

A.B., Leland Stanford Junior University, 1913; M.S., University of Chicago, 1914; Assistant Instructor in Anatomy, *ibid.*, 1915–16; M.D., Rush Medical College, 1916; Instructor in Bacteriology and Hygiene, University of Chicago, 1917; First Lieutenant, Ambulance Co. No. 3, *ibid.*, 1917—.

FREDERICK DENNISON BRAMHALL, PH.B., Instructor in Political Science.

Ph.B., University of Chicago, 1902; Legislative Reference Librarian, New York State Library, 1907–8; Instructor in Political Science, University of Chicago, 1908—.

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Art Students' League, New York, pupil of Kenyon Cox, William Chase, George DeForest Brush; Art Institute, Chicago; pupil of Arthur W. Dow; Instructor in Drawing, Art Institute; Laboratory School, University of Chicago, 1897–1903; Instructor in Art in the College of Education, *ibid.*, 1903—; Ph.B., University of Chicago, 1909.

GEORGE THOMAS CALDWELL, A.B., A.M., Instructor in Pathology.

A.B., Ohio State University, 1910; A.M., *ibid.*, 1913; Assistant in Chemistry, *ibid.*, 1912–13; Research Assistant in Chemical Pathology, University of Chicago, 1913–14; Associate in Pathology, *ibid.*, 1914–16; Instructor, *ibid.*, 1916—.

WILLIAM ERNEST CARY, B.S., PH.D., Instructor in Hygiene and Bacteriology.

B.S., Earlham College, 1912; Assistant in Bacteriology, University of Chicago, 1914–16; Instructor, *ibid.*, 1916—; Ph.D., *ibid.*, 1916.

JOHN ALLAN CHILD, A.B., Instructor in Romance Languages.

A.B., Harvard University, 1900; Instructor, University of Alabama, 1903–4; University of California, 1905–10; Assistant Professor, *ibid.*, 1910–12; Associate Professor ad interim, Amherst College, 1915–16; Instructor, University of Chicago, 1916—.

CLARENCE LEON CLARKE, PH.B., Instructor in Education.

Ph.B., Alfred University, 1906; Professor of Philosophy and Education, *ibid.*, 1908–11; Acting Assistant Professor of Education, University of Washington, 1911–12; Head of Department of Education, Lewiston State Normal School, 1912–16; Instructor in Education, University of Chicago, 1917—.

BENJAMIN J. CLAWSON, A.M., M.D., Instructor in Bacteriology, University of Chicago.

A.M., University of Kansas, 1911; M.D., Rush Medical College, 1917; Assistant Professor in Bacteriology, Oklahoma Agricultural College, 1911–12; Instructor in Bacteriology, University of Kansas, 1912–15; Assistant Professor in Bacteriology, University of Kansas, 1915–16; Instructor in Bacteriology, University of Chicago, 1917—.

CHARLES CARLYLE COLBY, B.PD., S.B., Instructor in Geography.

B.Pd., Michigan State Normal College, 1908; S.B., University of Chicago, 1909; Associate Professor, George Peabody College for Teachers, 1914–16; Instructor in Geography, University of Chicago, 1916—.

JOHN BEACH CRAGUN, A.B., Instructor in Music in the College of Education.

Graduate, Oberlin College, 1907; Instructor in Music in the College of Education, University of Chicago, 1913—.

KATHERINE LUCILE CRONIN, A.B., Instructor in Physical Education.

A.B., University of Wisconsin, 1914; Instructor in Physical Education, Western State Normal School, Bowling Green, Ky., Summer, 1914 and 1915; Director of Physical Education, State Normal School, Albion, Idaho, 1914–15; Assistant in Physical Education, University of Chicago, 1915–17; Instructor, *ibid.*, 1917—.

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S.B., Simmons College, 1909; Dietitian, Michael Reese Hospital, 1909–10; Supervisor, Public School Lunches, Springfield, Mass., 1912–13; Assistant in Institution Economics, University of Chicago, 1913–16; Instructor in Institution Economics, *ibid.*, 1917—.

ARTHUR JEFFERY DEMPSTER, PH.D., Instructor in Physics.

A.B., University of Toronto, 1900; A.M., *ibid.*, 1910; Assistant in Physics, University of Chicago, 1915—; Ph.D., *ibid.*, 1916–17; Instructor, *ibid.*, 1917—.

HELEN BARLOW DICKEY, A.B., Instructor in Institution Economics.

Laboratory Assistant in Chemistry, Pennsylvania College for Women, 1901–2; A.B., *ibid.*, 1902; Instructor in Botany and Latin, Westminster Place School, Pittsburgh, 1902–3; Instructor in Latin and Physiology, St. Charles, Ill., High School, 1903–4; Assistant in Institution Economics, University of Chicago, 1915–17; Instructor in Institution Economics, *ibid.*, 1917—.

SOPHIA HENNION ECKERSON, PH.D., Instructor in Plant Physiology.

A.B., Smith College, 1905; Demonstrator in Botany, *ibid.*, 1906–8; A.M., *ibid.*, 1907; Assistant in Botany, *ibid.*, 1908–9; Ph.D., University of Chicago, 1911; Assistant in Plant Physiology, *ibid.*, 1911–17; Instructor, *ibid.*, 1917—.

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S.B., Armour Institute of Technology, 1914; Fellow in Chemistry, University of Chicago, 1915–16; Assistant in Physical Chemistry, *ibid.*, 1916–17; Instructor, *ibid.*, 1917—.

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A.B., McGill University, 1901; Assistant in Botany, *ibid.*, 1901–2; Assistant in Ecology, University of Chicago, 1909–13; S.M., *ibid.*, 1912; Ph.D., *ibid.*, 1913; Instructor in Ecology, *ibid.*, 1913—.

JOHN WILLIAM EDWARD GLATTFELD, PH.D., Instructor in Chemistry.
S.B., Dartmouth College, 1907; S.M., *ibid.*, 1909; Ph.D., University of Chicago, 1913; Instructor in Chemistry, Dartmouth College, 1909–10; Research Instructor in Chemistry, University of Chicago, 1913–15; Instructor, *ibid.*, 1915—.

CARL HENRY GRABO, PH.B., Instructor in English.
Ph.B., University of Chicago, 1903; Assistant in English, *ibid.*, 1907–8; Associate, *ibid.*, 1908–10; Instructor in English, *ibid.*, 1910—.

STUART MCCUNE HAMILTON, A.B., Instructor in Political Economy.
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AGNES KEITH HANNA, Instructor in Home Economics.
Student, Pratt Institute, 1901–3; Instructor, Simmons College, 1903–8; Student, Teachers College, Columbia University, and School of Philanthropy, 1908–9; Instructor in Home Economics, University of Chicago, 1912—.

ANDREW EDWARD HARVEY, PH.D., Instructor in History.
AB., Princeton University, 1898; D.B., Union Theological Seminary, 1901; Ph.D., Marburg University, Germany, 1906; Instructor in European History, Leland Stanford Junior University, 1907–8; Instructor in History, *ibid.*, October, 1909—.

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EDWIN FREDERICK HIRSCH, A.M., M.D., PH.D., Instructor in Pathology.
A.B., Northwestern University, 1910; A.M., University of Illinois, 1911; Associate in Pathology, University of Chicago, 1913–14; Ph.D., *ibid.*, 1914; Instructor, *ibid.*, 1914—; M.D., Rush Medical College, 1915; Billings Interne, Presbyterian Hospital, Chicago, 1916–17.

ANTOINETTE HOLLISTER, PH.B., Instructor in Clay Modeling in the College of Education.
Student, Art Institute, Chicago; pupil of M. Rodin and M. Injalbert, Paris, 1899–1900, 1906–7; exhibited in Salon, Paris, 1907; Assistant in Clay Modeling in the College of Education, University of Chicago, 1901–3; Instructor, *ibid.*, 1903—; Ph.B., University of Chicago, 1911.

HARRIET FAY HOLMES, A.B., Special Instructor in Pathological Technique.
A.B., Vassar College, 1895; Special Instructor in Pathological Technique, University of Chicago, 1910—; Member of the Otho S. A. Sprague Memorial Institute.

FRANCES BEATRICE HUNTER, B.S. in Education, Instructor in Household Arts.
Diploma, New York Training School for Teachers, 1908; B.S. in Education and Bachelor's Diploma in Domestic Art, Teachers College, Columbia University, 1913; Assistant in Textiles, Teachers College, Columbia University, 1912–13; Instructor in Domestic Art and Fine Arts, Iowa State College, 1913–14; Instructor in Household Arts, University of Chicago, 1914—.

EINAR JORANSON, A.M., Instructor in History.
A.B., Augustana College, 1908; Instructor in History, *ibid.*, 1908–9; Instructor in Swedish, Gustavus Adolphus College, 1910–11; Principal, Northwestern College, Fergus Falls, Minn., 1911–13; A.M., University of Wisconsin, 1914; Assistant in European History, *ibid.*, 1913–15; Assistant in History, University of Chicago, 1915–16; Associate, *ibid.*, 1916–17; Instructor, *ibid.*, 1917—.

JAMES KESSLER, A.M., Instructor in French.
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A.B., Syracuse University, 1899; A.M., *ibid.*, 1909; Instructor in Home Economics, University of Chicago, 1917—.

FRANK HYNEMAN KNIGHT, PH.D., Instructor in Political Economy.

B.S., University of Tennessee, 1913; Assistant in Chemistry, *ibid.*, 1912–13; M.A., *ibid.*, 1913; Assistant in Economics, Cornell University, 1914–15; Ph.D., *ibid.*, 1916; Instructor in Economics, *ibid.*, 1916–17; Instructor in Political Economy, University of Chicago, 1917—.

OLIVER JUSTIN LEE, PH.D., Instructor in Astronomy.

A.B., University of Minnesota, 1907; S.M., University of Chicago, 1911; Ph.D., *ibid.*, 1913; Computer at Yerkes Observatory, 1907–10, 1912–13; Instructor in Astronomy at the Yerkes Observatory, 1914—.

HARVEY BRACE LEMON, PH.D., Instructor in Physics.

A.B., University of Chicago, 1906; Volunteer Research Assistant at the Yerkes Observatory, Summers, 1905, 1906, 1908; Assistant in Astronomy and Instructor in Mechanical Drawing, Beloit College, 1907–8; S.M., University of Chicago, 1911; Assistant in Physics, *ibid.*, 1911–12; Ph.D., *ibid.*, 1912; Instructor in Physics, *ibid.*, 1912—.

LEVERETT SAMUEL LYON, PH.B., Instructor in Commercial Organization in the School of Commerce and Administration.

Ph.B., University of Chicago, 1910; Instructor in Civic Sciences, Joliet Township High School, 1910–13, 1915–16; Assistant in Commercial Organization in the School of Commerce and Administration, 1916–17; Instructor, *ibid.*, 1917—.

KATHARINE MARTIN, Instructor in Kindergarten Education in the College of Education.

Diploma, Chicago Free Kindergarten Association, 1898; Critic Teacher, Kindergarten Department of the School of Education, University of Chicago, 1906–10; Instructor in Kindergarten Education in the College of Education, University of Chicago, 1910—.

CLARK OWEN MELICK, S.B., Instructor in Preventive Medicine.

B.S., Ohio University, 1910; Professor of Natural Sciences, Missouri Wesleyan College, 1911–14; Instructor in Preventive Medicine, University of Chicago, 1917—.

ELIZABETH W. MILLER, PH.B., M.A., Instructor in Home Economics.

Instructor in Home Economics, State Normal, Mayville, N.D., 1912–14; Ph.B., University of Chicago, 1914; M.A., *ibid.*, 1915; Instructor in Home Economics, University of Chicago, 1915—.

PETER GEORGE MODE, A.M., TH.B., PH.D., Instructor in Church History.

A.B., McMaster University, Toronto, 1897; A.M., *ibid.*, 1898; Th.B., *ibid.*, 1899; Pastor, First Baptist Church, Yarmouth, N.S., 1899–1902; First Baptist Church, Woodstock, Ontario, 1902–5; Professor of History and Church History, Brandon College, Manitoba, 1906–12; Student Secretary, Divinity School, University of Chicago, 1912; Assistant in History, *ibid.*, 1913; Ph.D., *ibid.*, 1914; Instructor in Church History, *ibid.*, 1914—.

STELLA WEBSTER MORGAN, A.B., A.M., Instructor in English.

A.B., University of Illinois, 1903; Dean of Women, University of Southern California, 1904–5; Associate Professor of English, *ibid.*, 1904–9; Assistant in English, University of Chicago, 1910–13; A.M., *ibid.*, 1910; Associate, *ibid.*, 1913–15; Instructor, *ibid.*, 1915—.

RICHARD OFFNER, PH.D., Instructor in the History of Art.

A.B., Harvard University, 1912; Ph.D., University of Vienna, 1914; Instructor in the History of Art, University of Chicago, 1915—.

CLARENCE EDWARD PARMENTER, PH.B., Instructor in Romance.

Ph.B., University of Chicago, 1910; Acting Professor of Modern Languages, Hillsdale College, 1910–11; Instructor in Romance, *ibid.*, 1914—.

PAUL HERMAN PHILLIPSON, PH.D., Instructor in German.

A.M., Western Reserve University, 1901; Assistant in German, University of Chicago, 1909–13; Ph.D., *ibid.*, 1911; Instructor, *ibid.*, 1913—.

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LLOYD KENDRICK RIGGS, S.M., Instructor in Physiological Chemistry.

B.S., Leander Clark College, 1911; M.A., *ibid.*, 1915; S.M., University of Chicago, 1916; Assistant in Biology, Leander Clark College, 1909–11; Professor of Chemistry, *ibid.*, 1911–14; Associate in Physiological Chemistry, University of Chicago, 1916—.

FRED TERRY ROGERS, PH.D., Instructor in Physiology.

A.B., Baylor University, 1911; A.M., *ibid.*, 1913; Instructor in Zoölogy, *ibid.*, 1912–13; Associate in Pharmacology, University of Chicago, 1914; Ph.D., *ibid.*, 1916; Instructor, *ibid.*, 1917—.

‡FRANCK LOUIS SCHOELL, Agrégé des lettres, Instructor in Romance Languages.

Licencié ès lettres, 1909; Diplômé d'études supérieures, 1911; Agrégé, 1912; Instructor in Romance Languages, University of Chicago, 1913—.

ARTHUR PEARSON SCOTT, PH.D., Instructor in History.

A.B., Princeton University, 1904; Instructor, Syrian Protestant College, Beirut, 1904–7; A.M., Princeton University, 1908; B.D., Chicago Theological Seminary, 1910; Instructor in History, University of Chicago, 1913—; Ph.D., *ibid.*, 1916.

GEORGE ELMER SHAMBAUGH, M.D., Instructor in Anatomy of the Ear, Nose, and Throat.

Ph.B., University of Iowa, 1892; M.D., University of Pennsylvania, 1895; Lecturer in Otology, Chicago Policlinic, 1898–1900; Instructor in Laryngology, Woman's Medical College, 1898–1902; Assistant in Otology, Rush Medical College, 1900–1904; Instructor, *ibid.*, 1904–7; Assistant Aurist, Presbyterian Hospital, Chicago, 1902–8; Instructor in Anatomy of the Ear, Nose, and Throat, University of Chicago, 1902—; Assistant Professor of Otology, Rush Medical College, 1907–13; Aurist, Presbyterian Hospital, 1908—; Associate Professor of Otology and Laryngology, Rush Medical College, 1913–16; Professor of Otology and Laryngology, *ibid.*, 1916—.

GEORGE WILEY SHERBURN, A.M., Instructor in English.

A.B., Wesleyan University, 1906; A.M., *ibid.*, 1909; Instructor in English Language, Northwestern University, 1906–10; Instructor in English, Beloit College, 1910–11; Instructor in English, Wesleyan University, 1911–12; Associate in English, University of Chicago, 1913–14; Instructor in English, *ibid.*, 1914—.

WILMER HENRY SOUDER, PH.D., Instructor in Physics.

A.B., Indiana University, 1910; A.M., *ibid.*, 1911; with National Bureau of Standards, Washington, D.C., 1911–13; Assistant in Physics, University of Chicago, 1914–17; Ph.D., *ibid.*, 1916; Instructor, *ibid.*, 1917—.

WILLIAM HOMER SPENCER, J.D., Instructor in Business Law in the School of Commerce and Administration.

S.B., Birmingham College, 1907; Ph.B., University of Chicago, 1913; J.D., *ibid.*, 1913; Instructor in English, Birmingham College, 1907–8; Instructor in Latin, *ibid.*, 1909–11; Assistant in Political Science, University of Chicago, 1914–15; Professor of Law, Drake University, 1915–16; Instructor in Business Law, University of Chicago, 1916—.

EUGENE AUSTIN STEPHENSON, PH.D., Instructor in Geology.

S.B., Adrian College, 1905; Assistant in Geology, University of Chicago, 1913–14; Instructor, *ibid.*, 1914—; Ph.D., *ibid.*, 1915.

DAVID HARRISON STEVENS, PH.D., Instructor in English.

A.B., Lawrence College, 1906; A.M., *ibid.*, 1910; Instructor in English, Northwestern University, 1908–10; Instructor in English and Registrar of the College of Liberal Arts, *ibid.*, 1910–12; A.M., Harvard University, 1912; Associate in English, University of Chicago, 1913–14; Ph.D., *ibid.*, 1914; Instructor in English, *ibid.*, 1914—.

DOROTHY STILES, Instructor in Physical Education.

Sargent Normal School of Physical Education, 1913; Mrs. Hazlett's Normal School, 1914; Instructor in Physical Education, State Normal School, Emporia, Kan., Summer, 1913; Assistant, University of Chicago, 1913–17; Instructor, *ibid.*, 1917—; Instructor in Physical Education, University of California, Summer, 1915.

‡PIETRO STOPPANI, PH.D., Instructor in Romance.

Graduate, Liceo Parini, Milan, 1896; Licenza per l'insegnamento secondario inferiore, *ibid.*, 1899; Licenza per l'insegnamento secondario superiore and dottore in lettere, *ibid.*, 1901; Licenza per l'insegnamento di lettere Tedesche, *ibid.*, 1905; University of Berlin, 1901–6; Assistant, Royal Library, Berlin, 1902–3; Instructor, Fortbildungsschulen, *ibid.*, 1906–8; Lector, Handelshochschule, *ibid.*, 1906–12; Instructor in Romance, University of Chicago, 1913—.

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A.B., University of Chicago, 1903; S.B., *ibid.*, 1906; M.D., Rush Medical College, 1910; Assistant in Anatomy, University of Chicago, 1910–13; Ph.D., *ibid.*, 1913; Associate in Anatomy, *ibid.*, 1913–15; Instructor in Anatomy, *ibid.*, 1915—.

SHIRO TASHIRO, PH.D., Instructor in Physiological Chemistry.

S.B., University of Chicago, 1909; Assistant in Physiological Chemistry, 1909–10; Ph.D., *ibid.*, 1912; Assistant, *ibid.*, 1912–13; Associate, *ibid.*, 1913–14; Instructor, 1914—.

ETHEL MARY TERRY, PH.D., Instructor in Chemistry.

A.B., University of Chicago, 1907; Assistant in Chemistry, *ibid.*, 1908–10; Associate, *ibid.*, 1910–13; Ph.D., *ibid.*, 1913; Instructor, *ibid.*, 1913—.

SUSANNAH USHER, S.B., Instructor in Home Economics.

S.B., Massachusetts Institute of Technology, 1898; Instructor, Simmons College, 1902–4; Professor, University of Illinois, 1904–11; Special Work in Marketing, 1911–16; Instructor, University of Chicago, 1917—.

JACOB VINER, A.M., Instructor in Political Economy.

A.B., McGill University, 1914; A.M., Harvard University, 1915; Instructor in Political Economy, University of Chicago, 1916—.

JOHN CONRAD WEIGEL, A.B., Instructor in German.

A.B., Lombard College, 1908; Assistant in Mathematics, *ibid.*, 1905–8; Instructor in Physics, *ibid.*, 1907–8; Professor of German, Lombard College, 1908–9; Instructor in German, the University High School, University of Chicago, 1909–13; Instructor in German, University of Chicago, 1913—.

MORRIS MILLER WELLS, PH.D., Instructor in Zoölogy.

S.B., University of Chicago, 1912; Assistant in Zoölogy, *ibid.*, 1912–13; Ph.D., University of Illinois, 1915; Instructor in Zoölogy, University of Chicago, 1915—.

GERALD LOUIS WENDT, PH.D., Instructor in Quantitative Analysis and Radioactivity.

A.B., Harvard University, 1913; A.M., *ibid.*, 1914; Ph.D. in Chemistry, *ibid.*, 1916; Austin Teaching Fellow, Harvard University, 1912–16; Assistant Radium Physicist, Harvard Cancer Hospital, 1915–16; Junior Chemist in Radioactivity, Bureau of Mines, 1916; Instructor in Rice Institute, 1916–17; Instructor in Quantitative Analysis and Radioactivity, University of Chicago, 1917—.

EDITH ABBOTT, PH.D., Lecturer in the Methods of Social Investigation.

A.B., University of Nebraska, 1901; Ph.D., University of Chicago, 1905; Research Work, Carnegie Institution of Washington, 1905–6; Instructor in Economics, Wellesley College, 1907–8; Associate Director, Department of Social Investigation and Staff-Lecturer, Chicago School of Civics and Philanthropy, 1908—; Lecturer in Sociology, University of Chicago, 1914—.

CHARLES EDWARD KREMER, LL.B., Special Lecturer on Admiralty Law.

Admitted to the bar of the Supreme Court of Wisconsin, 1874; of Illinois, 1875; Supreme Court of the United States, 1883; LL.B., Chicago Kent College of Law, 1908; Lecturer on Maritime Law and Admiralty, Chicago College of Law, 1893—; Special Lecturer on Admiralty Law, University of Chicago, 1902—.

FRANK FREMONT REED, A.B., Special Lecturer on Copyright and Trade Marks.

A.B., University of Michigan, 1880; admitted to Illinois bar, 1882; Lecturer on Trade Marks and Copyrights, University of Michigan Law School, 1894—; Special Lecturer on same, University of Chicago Law School, 1902—.

PERCIVAL BAILEY, S.B., Associate in Anatomy.

S.B., University of Chicago, 1914; Assistant in Embryology, *ibid.*, 1914; Assistant in Anatomy, *ibid.*, 1914–15; Assistant in Anatomy, Northwestern University Medical School, 1915–17; Associate in Anatomy, University of Chicago, 1917—.

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A.B., University of Illinois; A.M., *ibid.*; Ph.D., University of Chicago, 1915; Associate in Otho S. A. Sprague Memorial Institute, 1915—; M.D., Rush Medical College, 1917; also nominally Associate in the Department of Pathology, University of Chicago.

CARL RICHARD MOORE, PH.D., Associate in Zoölogy.
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RAYMOND DAVID MULLINIX, S.B., Associate in Chemistry.
Lecture Assistant, University of Chicago, 1911–14; S.B., *ibid.*, 1913; Associate in Chemistry, *ibid.*, 1914—.

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A.M., University of Illinois, 1905; Fellow in Zoölogy, *ibid.*, 1904–5; Professor of Biology, Tarkio College, 1905–14; Assistant Professor of Physiology, Kansas University, 1914–16; Assistant in Physiology, University of Chicago, 1916–17; Associate in Physiology, *ibid.*, 1917—.

JOHN GEORGE SINCLAIR, S.B., Associate in Zoölogy.
S.B., University of Chicago, 1911; Assistant, Carnegie Institution at Tucson, Ariz., 1913–15; Assistant in Zoölogy, University of Chicago, 1915–17; Associate, *ibid.*, 1917—.

MAUD SLYE, A.B., Member of the Otho S. A. Sprague Memorial Institute.
A.B., Brown University, 1899; Laboratory Assistant in Zoölogy, University of Chicago, 1908–11; Assistant in Zoölogy, *ibid.*, 1911–12; Associate in the Otho S. A. Sprague Memorial Institute, 1912—.

RAYMOND CHARLES THOMPSON, B.S., Associate in Pharmacology.
B.S., Kansas State Agricultural College, 1908; Assistant Chemist, Arkansas Experiment Station, 1910–12; Chemist of the Arkansas Experiment Station and Professor of Agricultural Chemistry, University of Arkansas, 1912–15; Associate in Pharmacology, University of Chicago, 1917—.

ELLINOR HELENE BEHRE, A.B., Assistant in Zoölogy.
ALBERT WILLIAM BELLOMY, S.B., Assistant in Zoölogy.
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SHIRLEY FARR, PH.B., Assistant in History.
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JOHN EVERETT GORDON, S.B., Assistant in Bacteriology.
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DANIEL LOUIS HOFFER, Assistant in Physical Culture.
JOHN CLARK HUBBARD, S.B., Assistant in Pharmacology.
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LOUIS MELVIN LARSEN, S.M., Assistant in Chemistry.
PAUL MACCLINTOCK, S.B., Assistant in Geology.
MARY E. MCDOWELL, Head Resident of the University of Chicago Settlement; Assistant in Sociology.
KENNETH CHARLES MCMURRY, A.B., Assistant in Geography.
ARCHIBALD TURNER MCPHERSON, A.M., Assistant in Chemistry.
WILLIAM RAYMOND MEEKER, S.B., Assistant in Anatomy.
PAUL CHRISTIAN MILLER, Preparator and Assistant in Vertebrate Paleontology.
GEORGE SPENCER MONK, S.B., Assistant in Stellar Spectroscopy at Yerkes Observatory.
ROY BATCHELDER NELSON, A.B., Assistant in Greek.
JEANNETTE BROWN OBENCHAIN, PH.B., Research Assistant in Anatomy.
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LEONA MARGARET POWELL, A.B., Assistant in Political Economy.
EDWARD N. ROBERTS, A.B., Assistant in Chemistry.
LATHROP EMERSON ROBERTS, S.B., Assistant in Chemistry.
HELEN ROCKWELL, Assistant in Physical Culture.
JOHN EDWARD SCHOTT, A.M., Assistant in Chemistry.
CHARLES ROSS SCHROYER, A.M., Laboratory Assistant in Geology.
LEWIS CARLYLE SORRELL, A.B., Assistant in Political Economy.
HAROLD BERNARD WARD, S.B., Assistant in Geography.
RICHARD W. WATKINS, S.B., Assistant in Anatomy.
EARNEST C. WATSON, PH.B., Assistant in Physics.
SIDNEY WEISMAN, S.B., Assistant in Chemistry.
MARY WETTON, S.B., Assistant in Chemistry.
JOSEPH HENRY WHITE, Assistant in Physical Culture.

ADMINISTRATIVE AND BUSINESS OFFICERS*§

THOMAS GEORGE ALLEN, PH.D., Secretary of Haskell Oriental Museum.
A.B., Beloit College, 1909; Ph.D., University of Chicago, 1915; Assistant in Haskell Oriental Museum, *ibid.*, 1910–16; Secretary of Haskell Oriental Museum, *ibid.*, 1917—.

TREVOR ARNETT, A.B., University Auditor.
A.B., University of Chicago, 1898; Fellow in Political Economy, *ibid.*, 1899–1900; University Auditor, *ibid.*, 1901—; Trustee, University of Chicago, 1916—.

THYRZA M. BARTON, A.B., Director of the Housing Bureau.
A.B., University of Chicago, 1907; Certificate, Chicago School of Civics and Philanthropy, 1911; Visitor, United Charities of Chicago, 1912–13; Executive Secretary, Pasadena Charitable League, 1914–15; Director, Housing Bureau, 1916—.

§JAMES HENRY BREASTED, Director of Haskell Oriental Museum.

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* This list does not include the names of Deans (see p. 80).

§ Names with a (§) prefixed appear above, with full academic record, in connection with their Faculty standing.

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§Ernest DeWitt Burton, Director of the University Libraries.

Georgia Louise Chamberlin, Executive Secretary of the American Institute of Sacred Literature.

Examiner, Chautauqua Literary and Scientific Circle, 1882–90; Secretary, Chautauqua Summer Schools, 1883–98; Secretary, American Institute of Sacred Literature, 1891—; Advisory Staff, Religious Education Publications, The University of Chicago Press, 1911—; Lecturer in Religious Education and Biblical Literature, and Assistant Director of Religious Work for Chautauqua Institution, 1912—. Lecturer in South Side Community Training School, 1917; Lecturer in Chicago Training School for Missions, 1917.

J. Spencer Dickerson, Litt.D., Secretary of the Board of Trustees.

Student, University of Pittsburgh, 1867–70; member of staff of *The Standard*, 1875–92; Managing Editor, *The Graphic*, 1892–4; Managing Editor, *The Standard*, 1895–1914; Trustee, University of Chicago, 1909–14, 1916—; Litt.D., Denison University, 1911; Secretary, Board of Trustees, University of Chicago, 1913—.

John C. Dinsmore, Ph.B., Purchasing Agent.

Ph.B., University of Chicago, 1911; Purchasing Agent, *ibid.*, 1913—.

§Edwin Brant Frost, Director of the Yerkes Observatory, Williams Bay, Wis.

Harry Orrin Gillet, S.B., Principal of the University Elementary School.

S.B., University of Chicago, 1901; Teacher in Laboratory Schools, *ibid.*, 1900–1903; Teacher, Elementary School, *ibid.*, 1903–9; Assistant Principal, *ibid.*, 1909–10; Supervisor, *ibid.*, 1910–13; Principal, *ibid.*, 1913—.

Florence M. Goodspeed, A.B., Director of the Club House, Ida Noyes Hall.

A.B., Chicago Woman's College, 1883; Director of the Club House, Ida Noyes Hall, 1916—.

Thomas Wakefield Goodspeed, D.D., Corresponding Secretary, Board of Trustees.

A.B., University of Rochester, 1863; Graduate, Rochester Theological Seminary, 1866; D.D., University of Chicago, 1885; LL.D., University of Rochester, 1913; Secretary, Board of Trustees, University of Chicago, 1890–1913; Registrar, *ibid.*, 1897–1913; Corresponding Secretary, Board of Trustees, 1913—.

Willis Eugene Gouwens, Curator of Kent Chemical Laboratory.

Frederic James Gurney, A.B., D.B., Assistant Recorder.

A.B., University of Michigan, 1880; D.B., Baptist Union Theological Seminary, 1883; Instructor, American Institute of Hebrew, 1882–6; Instructor in the English New Testament, Baptist Union Theological Seminary, 1884–5; Examiner's Clerk, University of Chicago, 1893–9; Assistant to the Recorder, *ibid.*, 1899–1906; Assistant Recorder, *ibid.*, 1906—.

James Christian Meinich Hanson, A.B., Associate Director of the University Libraries.

A.B., Luther College, 1882; Graduate Student, Concordia Theological Seminary, 1882–4; Graduate Student, Cornell University, 1888–90; Assistant, Newberry Library, Chicago, 1890–93; Chief of Catalogue Department, University of Wisconsin Library, 1893–97; Chief of Catalogue Division, Library of Congress, Washington, D.C., 1897–1910; Associate Director of Libraries, University of Chicago, 1910—.

Wallace Heckman, Counsel and Business Manager.

S.B., Hillsdale College; Member of the Bar of Illinois and of the Supreme Court of the United States.

Mary Osborn Hoyt, A.B., M.D., Secretary of the Board of Recommendations.

A.B., Wellesley College, 1889; M.D., Hahnemann Medical College of Chicago, 1894; Practicing Physician, 1894–1913; Assistant Secretary of the Board of Recommendations, University of Chicago, 1913–15; Secretary, *ibid.*, 1915—.

Franklin Winslow Johnson, A.M., L.H.D., Principal of the University High School.

A.B., Colby College, 1891; A.M., *ibid.*, 1894; L.H.D., *ibid.*, 1916; Principal, Academy of the University of Chicago for Boys, Morgan Park, 1905–7; Assistant Dean of the University High School, University of Chicago, 1907–9; Principal, University High School, *ibid.*, 1909—.

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§GORDON JENNINGS LAING, General Editor of the University of Chicago Press.

HERVEY FOSTER MALLORY, A.B., LITT.D., Associate Professor and Secretary of the Correspondence-Study Department.

A.B., Colgate University, 1890; Secretary to the President, University of Chicago, 1896–97; Instructor in Biblical Literature and Latin, Kenwood Institute, Chicago, Ill., 1897–99; Secretary of the Correspondence-Study Department, University of Chicago, 1898—; Assistant, *ibid.*, 1898–1900; Associate, *ibid.*, 1900–1902; Instructor, *ibid.*, 1902–8; Assistant Professor, *ibid.*, 1908–12; Associate Professor, *ibid.*, 1912—; Litt.D., Colgate University, 1913; President of the National University Extension Association, 1916–17.

NEWMAN MILLER, PH.B., Director of the University Press.

Ph.B., Albion College, 1893; Instructor and Secretary of the Correspondence-Study Department, University Extension Division, University of Chicago, 1896–98; Manager, *Recorder Press*, Albion, Mich., 1898–1900; Director of the University Press, University of Chicago, 1900—.

JOHN FRYER MOULDS, PH.B., University Cashier.

Ph.B., University of Chicago, 1907; Assistant Registrar, University of Chicago, 1909–13; University Cashier, 1913—; Alumni Secretary, 1914—.

WALTER A. PAYNE, PH.B., University Recorder and Examiner.

Ph.B., University of Chicago, 1895; Secretary of Lecture-Study Department, University Extension Division, *ibid.*, 1896–1911; Dean of University College, *ibid.*, 1908–13; University Examiner, *ibid.*, 1911—; University Recorder, *ibid.*, 1913—.

NATHAN C. PLIMPTON, Assistant Auditor.

H. WOOD ROUSE, Superintendent of Buildings and Grounds.

ROBERT WATERMAN STEVENS, Organist and Director of Choir.

Instructor, Chicago Conservatory, and Assistant of Sherwood, 1893–98; Assistant, Godowsky, 1898–1900; Director Pianoforte, 1900–3; pupil of Zeisler, 1894–8; Director of Music, University of Colorado, Lecturer, Colorado College, 1903–6; Director in School of Music, University of Nebraska, 1906–11; Organist and Director of Choir, University of Chicago, 1911—.

§JULIUS STIEGLITZ, Director of the University Laboratories.

§FRANK BIGELOW TARBELL, Curator of the Classical Museum.

APPOINTMENTS FOR THE SUMMER QUARTER, 1917

HARLEY BURR ALEXANDER, PH.D., Professor of Philosophy, University of Nebraska.

RUTH ATWATER, Instructor in Cookery, Pratt Institute, New York; Instructor in Home Economics.

EMERY WINFIELD BALDUF, A.M., Instructor in German, Carleton College.

FRANCES M. BERRY, PH.B., Instructor in Kindergarten Education, Detroit Normal School; Instructor in Kindergarten-Primary Education.

GEORGE DAVID BIRKHOFF, PH.D., Assistant Professor of Mathematics, Harvard University.

ALICE FRIEDA BRÄUNLICH, PH.D., Instructor in Latin, Frances Shimer Academy.

HARRY GUNNISON BROWN, PH.D., Associate Professor of Economics, University of Missouri.

HENRY M. BUERCKHOLTZ, University High School; Instructor in Manual Training.

EDWARD HERBERT CAMERON, PH.D., Assistant Professor of Education, Yale University.

WILBERT LESTER CARR, A.M., Instructor in Latin, University High School.

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ALFRED VANCE CHURCHILL, A.M., Professor of the History and Interpretation of Art, Smith College.

GEORGE PURCELL COSTIGAN, JR., A.M., LL.B., LL.D., Professor of Law, Northwestern University.

EDMUND VINCENT COWDRY, PH.D., Associate in Anatomy, Johns Hopkins University.

CLIFFORD C. CRUMP, PH.D., Instructor in Astronomy, Carleton College.

NELL CHARLOTTE CURTIS, University Elementary School; Instructor in Kindergarten-Primary Education.

FREDERICK SHIPP DEIBLER, PH.D., Professor of Economics, Northwestern University.

ARTHUR WILLIAM DUNN, A.M., Specialist in Civic Education, United States Bureau of Education, Washington, D.C.

ETHEL M. ERNST, Instructor in Costume Design, Carnegie Institute, Pittsburgh; Instructor in Home Economics.

EMERY FILBEY, PH.B., University High School; Instructor in Manual Training.

HARRY TREVLIN FULTZ, S.B., University High School; Instructor in Aesthetic and Industrial Education.

ELLEN MARY GEYER, A.M., Instructor in English, University of Iowa; Instructor in English.

MOSES GOMBERG, PH.D., Professor of Organic Chemistry, University of Michigan.

ALEXANDER R. GORDON, D.LITT., Professor of Old Testament Literature and Exegesis, Presbyterian College, Montreal.

C. TRUMAN GRAY, PH.D., Instructor in Education, University of Texas.

NATHANIEL EDWARD GRIFFIN, PH.D., Assistant Professor of English, Princeton University.

WALTON HALE HAMILTON, PH.D., Professor of Economics, Amherst College.

SHATTUCK O. HARTWELL, A.B., Superintendent of Schools, Muskegon, Mich.

LEROY H. HARVEY, PH.D., Head of the Department of Nature Study, Kalamazoo Normal School, Kalamazoo, Mich.; Instructor in Natural Science.

EMERY ROE HAYHURST, PH.D., M.D., Assistant Professor of Industrial Hygiene, Ohio State University.

JOSEPH L. HENDERSON, PH.B., Director of the Department of School Visitation.

MAY HILL, Instructor in Kindergarten Education, Superior Normal School, West Superior, Wis.; Instructor in Kindergarten-Primary Education.

ALBERT CLAIRE HODGE, PH.B., Instructor in Economics, University of Minnesota.

GEORGE ELLIOTT HOWARD, PH.D., Professor and Head of the Department of Political Science and Sociology, University of Wisconsin.

ARTHUR S. HOYT, D.D., Professor of Homiletics, Auburn Theological Seminary.

WALTER B. HUMPHREY, A.B., Instructor in Art.

GEORGE PULLEN JACKSON, PH.D., Assistant Professor of German, University of North Dakota.

ELDON REVARE JAMES, S.B., LL.B., J.D., Professor of Law, University of Missouri.

MARK JEFFERSON, A.M., Professor of Geology, Ypsilanti Normal College.

CHARLES KNAPP, PH.D., Professor of Classical Philology, Columbia University.

HANS KURATH, A.B., Instructor in German, University of Texas.

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SAMUEL KROESCH, PH.D., Assistant Professor of German, University of Minnesota.

ELEANOR LALLY, A.B., University Elementary School; Instructor in English.

MARIN LAMESLÉE, A.M., Professor of Romance Languages, Tulane University.

NAMA AURELIA LATHE, University High School; Instructor in Art.

CLARENCE ELDRIDGE LEAVENWORTH, A.M., Professor of Romance Languages, Wabash College.

DERRICK NORMAN LEHMER, PH.D., Associate Professor of Mathematics, University of California.

WALTER LICHTENSTEIN, PH.D., Professor of History, Northwestern University.

WILLIAM EZRA LINGELBACH, PH.D., Professor of Modern European History, University of Pennsylvania.

HESTER B. LYON, Instructor in Millinery, Pratt Institute, New York; Instructor in Home Economics.

KATHERINE MCLAUGHLIN, S.B., University Elementary School; Instructor in English.

NANCY HILL MCNEAL, PH.B., Instructor in Home Economics and Household Art.

EDWARD ALANSON MILLER, PH.D., Professor of Education, Oberlin College.

RAYMOND CECIL MOORE, PH.D., Associate Professor of Geology, University of Kansas.

ETHEL M. NEWLANDS, Director of Home Economics, Buffalo Technical High School, Buffalo, N.Y.; Instructor in Home Economics.

FREDERICK OWEN NORTON, PH.D., Professor of Greek, Drake University.

ARTHUR LESLIE OWEN, A.M., Associate Professor of Romance Languages and Literatures, University of Kansas.

ROBERTS BISHOP OWEN, PH.D., Instructor in Philosophy, Columbia University.

ELSIE M. PAGE, Instructor in Home Economics, Lucy Flower Technical High School, Chicago; Instructor in Home Economics.

ROBERT E. PARK, PH.D., Professorial Lecturer in Sociology.

L. DAY PERRY, Supervisor of Manual Training, Joliet, Ill.; Instructor in Manual Training.

RALPH BARTON PERRY, PH.D., Professor of Philosophy, Harvard University.

DELMAR NEAL POPE, A.B., Supervisor of Art, Roswell, N.M.; Instructor in Art.

EDUARD PROKOSCH, PH.D., Professor and Head of the Department of German, University of Texas.

JESSE SIDDALL REEVES, PH.D., Professor of Political Science, University of Michigan.

GEORGE B. RIGG, PH.D., Assistant Professor of Botany, University of Washington.

GEORGE LUCAS ROBERTS, A.M., Professor of Education, Purdue University.

BENJAMIN WILLARD ROBINSON, D.B., PH.D., Professor of New Testament Literature and Interpretation, Chicago Theological Seminary.

FRED TERRY ROGERS, PH.D., Assistant Professor of Physiology, Baylor University.

WINFRED TREXLER ROOT, PH.D., Professor of History, University of Wisconsin.

ALBERT SCHINZ, PH.D., Professor of the French Languages and Literatures, Smith College.

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WILLIAM ANTON SCHMIDT, PH.D., Professor of Education, University of Oklahoma.

HENRY SCHOFIELD, A.M., LL.B., Professor of Law, Northwestern University.

HERBERT ALDEN YOUTZ, PH.D., Professor of Christian Theology, Auburn Theological Seminary.

MABEL B. SOPER, Head of the Art Department, Bridgewater State Normal School, Bridgewater, Mass.; Instructor in Art.

KATHARINE MARIAN STILWELL, PH.B., University Elementary School; Instructor in Printing.

GRACE E. STORM, PH.B., University Elementary School; Instructor in History.

JOHN ELBERT STOUT, PH.M., Professor of Education, Cornell College.

ABRAM O. THOMAS, A.M., Assistant Professor of Geology, University of Iowa.

CAROLINE I. TOWNSEND, PH.B., State Normal School, San Diego, Cal.; Instructor in Kindergarten-Primary Education.

ALBERT AUGUSTUS TREVER, PH.D., Professor of Greek, Lawrence College.

ARTHUR CARLETON TROWBRIDGE, PH.D., Professor of Geology, University of Iowa.

ELEANOR TROXELL, University Elementary School; Instructor in Kindergarten-Primary Education.

MARGARET VAN HOESEN, PH.B., Instructor in Home Economics, Iowa State Normal College, Cedar Falls, Iowa; Instructor in Home Economics.

ARTHUR TAPPAN WALKER, PH.D., Professor of Latin, University of Kansas.

MABEL WARD, S.B., Head of the Department of Home Economics, South Dakota State College, Brookings, S.D.; Instructor in Home Economics.

ARTHUR GORDON WEBSTER, SC.D., LL.D., Professor of Physics, Clark University.

THOMAS RUSSELL WILKINS, A.B., University High School; Instructor in Physics.

STANLEY D. WILSON, PH.D., Assistant Professor of Chemistry, Rice Institute.

WILLIAM DUDLEY WOODHEAD, A.M., Assistant Professor of Greek, University of Alberta.

ELSIE AMY WYGANT, S.B., University Elementary School; Instructor in Kindergarten-Primary Education.

BERT EDWARD YOUNG, PH.D., Professor of Romance Languages and Literatures, Vanderbilt University.

THE UNIVERSITY HIGH SCHOOL

FRANKLIN WINSLOW JOHNSON, A.M., Principal.

WILBERT LESTER CARR, A.M., Instructor in Latin and Greek; Assistant to the Principal.

LUCIA WARDLOW PARKER, Instructor in French; Assistant to the Principal.

FRANCES RAMSAY ANGUS, A.B., Instructor in French.

ELIZABETH WEBB BALLORD, S.B., Instructor in German.

ARTHUR FAIRCHILD BARNARD, A.B., Instructor in History.

RUTH JANE BAUSHKE, A.B., Instructor in Physical Education.

WILBUR L. BEAUCHAMP, S.B., Instructor in Chemistry.

ARTHUR GIBBON BOVÉE, PH.B., Instructor in French.

ERNST RUDOLPH BRESLICH, A.M., Instructor in Mathematics.

HARRY M. BUERCKHOLTZ, Instructor in Machine-Shop and Forging.

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WILBUR L. CASLER, B.M.E., Instructor in Woodwork and Foundry.
FRANK BARNES CHERINGTON, A.M., Instructor in English.
ZELMA ESTELLE CLARK, A.B., Instructor in English.
JOHN BEACH CRAGUN, A.B., Instructor in Music.
JOHN MAXWELL CROWE, A.M., Instructor in English.
*EMERY FILBEY, PH.B., Instructor in Woodshop.
HARRY TREVLIN FULTZ, S.B., Instructor in Woodshop and Mechanical Drawing.
ELSE GLOKKE, PH.M., Instructor in German.
THEODORE BALLOU HINCKLEY, PH.B., Instructor in English.
FRANCES BEATRICE HUNTER, S.B., Instructor in Home Economics.
HARRY NEWTON IRWIN, A.M., Instructor in Mathematics.
HOWARD E. A. JONES, PH.B., Instructor in Geography and General Science.
NAMA AURELIA LATHE, Instructor in Drawing.
HANNAH LOGASA, Librarian.
VAN LIEU MINOR, A.B., Instructor in History.
WILLIAM JAMES MONILAW, M.D., Instructor in Physical Education.
BERTRAM GRIFFITH NELSON, A.B., Instructor in Public Speaking.
FRANK HURBURT O'HARA, PH.B., Assistant in Dramatic Art.
SARAH FRANCES PELLETT, A.M., Instructor in Latin.
CHARLES JAMES PIEPER, A.B., Instructor in Science.
ETHEL PRESTON, A.M., Instructor in French.
LYDIA MARIE SCHMIDT, PH.B., Instructor in German.
MARIE OURY SCHORLING, PH.B., Instructor in History and Latin.
RALEIGH SCHORLING, A.B., Instructor in Mathematics.
HARRY FLETCHER SCOTT, A.M., Instructor in Latin.
MARY E. WARFORD, PH.B., Assistant in Home Economics.
CLARENCE GERLAUGH WEIFFENBACH, Assistant in Physical Education.
T. RUSSELL WILKINS, A.B., Instructor in Physics.
HORACE CARPENTER WRIGHT, PH.B., Instructor in Mathematics.

THE UNIVERSITY ELEMENTARY SCHOOL

HARRY ORRIN GILLET, S.B., Principal.
WILBERT LESTER CARR, A.M., Latin.
JOHN BEACH CRAGUN, A.B., Music in the Upper Grades.
NELL CHARLOTTE CURTIS, Third Grade.
MARGARET M. GORDON, Kindergarten.
PHILA MAY GRIFFIN, Fifth Grade.
ANNA TALEA SCHERZ GRONOW, PH.B., German.
CASSANDRA HARMON, Physical Education.
MARY ROOT KERN, Music in the Primary Grades.
ELEANOR LALLY, A.B., Seventh Grade.
LAURA LUCAS, Second Grade.
KATHERINE MCLAUGHLIN, S.B., Fifth Grade.
NANCY HILL MCNEAL, Home Economics.

* On leave, 1916–17.

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ELIZABETH ERWIN MILLER, PH.B., Art.
VIOLET MILLIS, PH.B., Substitute Teacher.
WILLIAM JAMES MONILAW, M.D., Physical Education; School Physician.
TIRZAH S. MORSE, Third Grade.
EDITH W. OSGOOD, A.M., Sixth Grade.
BERTHA M. PARKER, S.B., Natural Science.
EDITH P. PARKER, PH.B., Sixth Grade.
HOMER SAMPSON, Natural Science.
ADALINE SHERMAN, PH.B., Fourth Grade.
JAMES HENRY SMITH, PH.B., Woodworking.
JOSETTE EUGÉNIE SPINK, PH.B., French.
KATHARINE MARIAN STILWELL, PH.B., Printing.
GRACE E. STORM, PH.B., Fourth Grade.
ALICE TEMPLE, ED.B., Kindergarten Director.
JOSEPHINE TREAT, Assistant in Music.
ELEANOR TROXELL, First Grade.
AGNES RUTH WADDEN, PH.B., Kindergarten.
MARY E. WARFORD, PH.B., Home Economics.
CLARENCE GERLAUGH WEIFFENBACH, Physical Education.
HAZEL WHEELER, Assistant in Music.
ELSIE A. WYGANT, S.B., First Grade.

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UNIVERSITY RULING BODIES

THE UNIVERSITY SENATE[1]

THE PRESIDENT, Chairman
THE RECORDER, Secretary

JAMES ROWLAND ANGELL.
EDWARD EMERSON BARNARD.
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ROBERT RUSSELL BENSLEY.
HARRY AUGUSTUS BIGELOW.
FRANK BILLINGS.
GILBERT AMES BLISS.
ROBERT JOHNSON BONNER.
JAMES HENRY BREASTED.
CARL DARLING BUCK.
ERNEST DEWITT BURTON.
NATHANIEL BUTLER.
ANTON JULIUS CARLSON.
SHIRLEY JACKSON CASE.
CHARLES JOSEPH CHAMBERLAIN.
THOMAS CHROWDER CHAMBERLIN.
JOHN MERLE COULTER.
HENRY CHANDLER COWLES.
STARR WILLARD CUTTING.
LEONARD EUGENE DICKSON.
WILLIAM EDWARD DODD.
GEORGE BURMAN FOSTER.
ERNST FREUND.
EDWIN BRANT FROST.
HENRY GORDON GALE.
EDGAR JOHNSON GOODSPEED.
WILLIAM GARDNER HALE.
JAMES PARKER HALL.
JAMES CHRISTIAN MEINICH HANSON.
WILLIAM DRAPER HARKINS.
LUDVIG HEKTOEN.
CHARLES JUDSON HERRICK.
ROBERT HERRICK.
EDWARD W. HINTON.
EMIL GUSTAV HIRSCH.
THOMAS ATKINSON JENKINS.
EDWIN OAKES JORDAN.
CHARLES HUBBARD JUDD.
GORDON JENNINGS LAING.
FRANK RATTRAY LILLIE.
ROBERT MORSS LOVETT.
WILLIAM DARNALL MACCLINTOCK.
ANDREW CUNNINGHAM MCLAUGHLIN.
JULIAN WILLIAM MACK.
JOHN MATTHEWS MANLY.
LEON CARROLL MARSHALL.
ALBERT PRESCOTT MATHEWS.
SHAILER MATHEWS.
GEORGE HERBERT MEAD.
FLOYD RUSSELL MECHEM.
CHARLES EDWARD MERRIAM.
ELMER TRUESDELL MERRILL.
ALBERT ABRAHAM MICHELSON.
FRANK JUSTUS MILLER.
ROBERT ANDREWS MILLIKAN.
ADDISON WEBSTER MOORE.
ELIAKIM HASTINGS MOORE.
FOREST RAY MOULTON.
RICHARD GREEN MOULTON.
GEORGE WILLIAM MYERS.
WILLIAM ALBERT NITZE.
SAMUEL CHESTER PARKER.
KARL PIETSCH.
HENRY WASHINGTON PRESCOTT.
IRA MAURICE PRICE.
MYRA REYNOLDS.
ROLLIN D. SALISBURY.
WALTER SARGENT.

[1] The Senate shall consist of the President and all professors of full rank in the University.—The Statutes, Art. III, sec. 1.

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PAUL SHOREY.
HERBERT ELLSWORTH SLAUGHT.
ALBION WOODBURY SMALL.
GERALD BIRNEY SMITH.
JOHN MERLIN POWIS SMITH.
THEODORE GERALD SOARES.
AMOS ALONZO STAGG.
JULIUS STIEGLITZ.
MARION TALBOT.
FRANK BIGELOW TARBELL.
BENJAMIN TERRY.
WILLIAM ISAAC THOMAS.
JAMES WESTFALL THOMPSON.
ALBERT HARRIS TOLMAN.
JAMES HAYDEN TUFTS.
STUART WELLER.
HARRY GIDEON WELLS.
ERNEST JULIUS WILCZYNSKI.
ERNEST HATCH WILKINS.
HERBERT LOCKWOOD WILLETT.
SAMUEL WENDELL WILLISTON.
FRANCIS ASBURY WOOD.
FREDERICK CAMPBELL WOODWARD.

THE GENERAL ADMINISTRATIVE BOARD

THE PRESIDENT, Chairman
THE RECORDER, Secretary

PROFESSOR SOARES, Chaplain.
PROFESSOR JAMES ROWLAND ANGELL, Dean of the Faculties of Arts, Literature, and Science.
PROFESSORIAL LECTURER JOHN MILTON DODSON, Dean of Medical Students.
PROFESSOR HENRY GORDON GALE, Dean of Science in the Colleges.
PROFESSOR JAMES PARKER HALL, Dean of the Law School.
PROFESSOR ROBERT MORSS LOVETT, Dean of the Colleges of Arts and Literature.
PROFESSOR LEON CARROLL MARSHALL, Dean of the School of Commerce and Administration.
PROFESSOR SHAILER MATHEWS, Dean of the Divinity School.
PROFESSOR ROLLIN D. SALISBURY, Dean of the Ogden Graduate School of Science.
PROFESSOR ALBION WOODBURY SMALL, Dean of the Graduate School of Arts and Literature.
PROFESSOR MARION TALBOT, Dean of Women.
PROFESSOR ERNEST DEWITT BURTON, Director of the University Libraries.
PROFESSOR NATHANIEL BUTLER, Dean of University College; Director of Co-operation with Secondary Schools.
PROFESSOR THOMAS CHROWDER CHAMBERLIN, Director of the Museums.
PROFESSOR CHARLES HUBBARD JUDD, Director of the School of Education.
PROFESSOR JULIUS STIEGLITZ, Director of the University Laboratories.
ASSOCIATE PROFESSOR DAVID ALLAN ROBERTSON, Secretary to the President.
ASSISTANT PROFESSOR WILLIAM SCOTT GRAY, Dean of the College of Education.
WALTER A. PAYNE, University Examiner.
HERVEY FOSTER MALLORY, Secretary of the Correspondence-Study Department of the University Extension.

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THE FACULTIES OF THE UNIVERSITY

The Faculties of the University are as follows:

1. The Faculty of the Colleges of Arts, Literature, and Science.
2. The Faculties of the Graduate School of Arts and Literature and of the Ogden Graduate School of Science.
3. The Faculty of the Divinity School.
4. The Faculty of the Law School.
5. The Faculty of the College of Education.

THE COLLEGE BOARDS

THE BOARD OF THE JUNIOR COLLEGES

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THE RECORDER, Secretary

DEAN JAMES ROWLAND ANGELL, *ex officio.*
DEAN PERCY HOLMES BOYNTON, *ex officio.*
DEAN HENRY GORDON GALE, *ex officio.*
DEAN JAMES WEBER LINN, *ex officio.*
DEAN ROBERT MORSS LOVETT, *ex officio.*
DEAN LEON CARROLL MARSHALL, *ex officio.*
DEAN FRANK JUSTUS MILLER, *ex officio.*
DEAN HORATIO HACKETT NEWMAN, *ex officio.*
DEAN MARION TALBOT, *ex officio.*
DEAN ELIZABETH WALLACE, *ex officio.*
ASSISTANT DEAN SOPHONISBA PRESTON BRECKINRIDGE, *ex officio.*
EXAMINER WALTER A. PAYNE, *ex officio.*
PROFESSOR ROBERT JOHNSON BONNER.
PROFESSOR HENRY CHANDLER COWLES.
PROFESSOR WILLIAM DRAPER HARKINS.
PROFESSOR ROBERT ANDREWS MILLIKAN.
PROFESSOR HERBERT ELLSWORTH SLAUGHT.
ASSOCIATE PROFESSOR CHARLES HENRY BEESON.
ASSOCIATE PROFESSOR GERTRUDE DUDLEY.
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The President and Secretary-Treasurer of the Christian Union.
The President of the University Settlement Board.
The President, Secretary, and President of the Advisory Board of the Young Men's Christian Association.
The President, Secretary, and President of the Advisory Board of the Young Women's Christian League.

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The President of the Student Volunteer Band.
The Director of the University Choirs.
The Dean of Women.

MEMBERS BY APPOINTMENT

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Professor Leon Carroll Marshall.
Professor Elmer Truesdell Merrill.
Associate Professor James Alfred Field.
Associate Professor Conyers Read.
Associate Professor David Allan Robertson.
Associate Professor Chester Whitney Wright.
Assistant Professor James Root Hulbert.
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Mr. Martin Hays Bickham, Secretary of the Young Men's Christian Association.
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With the co-operation of representatives from the departments chiefly concerned.

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PART II

THE SCHOOLS AND COLLEGES OF ARTS, LITERATURE, AND SCIENCE

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THE SCHOOLS AND COLLEGES OF ARTS, LITERATURE, AND SCIENCE

OFFICERS OF ADMINISTRATION

HARRY PRATT JUDSON, President of the University, Harper Memorial Library, Room W11.

ERNEST DEWITT BURTON, Director of the University Libraries, Harper Memorial Library, Room M27.

WALTER A. PAYNE, University Recorder and University Examiner, Cobb Lecture Hall, Room 5A.

DAVID ALLAN ROBERTSON, Secretary to the President, Harper Memorial Library, Room W13.

JAMES ROWLAND ANGELL, Dean of the Faculties of Arts, Literature, and Science, Cobb Lecture Hall, Room 6A.

ALBION WOODBURY SMALL, Dean of the Graduate School of Arts and Literature, Cobb Lecture Hall, Room 6A.

ROLLIN D. SALISBURY, Dean of the Ogden Graduate School of Science, Cobb Lecture Hall, Room 6A.

MARION TALBOT, Dean of Women, Cobb Lecture Hall, Room 14A.

LEON CARROLL MARSHALL, Dean of the Senior Colleges and Dean of the College of Commerce and Administration, Cobb Lecture Hall, Room 6B.

ROBERT MORSS LOVETT, Dean of the Junior Colleges, Cobb Lecture Hall, Room 9A.

HENRY GORDON GALE, Dean in the Colleges of Science, Cobb Lecture Hall, Room 7A.

HORATIO HACKETT NEWMAN, Dean in the Colleges of Science, Cobb Lecture Hall, Room 10A.

PERCY HOLMES BOYNTON, JAMES WEBER LINN, Ellis Hall; FRANK JUSTUS MILLER, ELIZABETH WALLACE, Lexington Hall: Deans in Junior Colleges.

SOPHONISBA PRESTON BRECKINRIDGE, Assistant Dean of Women, Lexington Hall.

NATHANIEL BUTLER, Director of Co-operation with Secondary Schools, Cobb Lecture Hall, Room 16A.

GENERAL INFORMATION

The organization of the University includes: the Graduate School of Arts and Literature; the Ogden Graduate School of Science; the Colleges (Senior, last two years, and Junior, first two years) of Arts, Literature, and Science; the Divinity School, the Law School, Courses in Medicine, the School of Education, the School of Commerce and Administration.

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Faculty and equipment.—The faculty (exclusive of assistants) numbers three hundred and three; the libraries contain 485,847 volumes and 200,000 pamphlets (estimated). The University owns nearly one hundred acres of land in Chicago and has forty buildings.

Location of the University.—The University grounds lie on both sides of the Midway Plaisance between Washington and Jackson parks, six miles south of the center of Chicago. Electric cars, elevated trains, and the Illinois Central suburban service reach all railway stations. Mail and baggage service is provided at the Information Office of the University.

The University year is divided into quarters: the Autumn (October, November, December); the Winter (January, February, March); the Spring (April, May, to the middle of June); the Summer (from the middle of June, July, August). For the year 1917–18 the exact dates for the opening of the four quarters are: Summer Quarter, June 18, 1917; Autumn Quarter, October 1, 1917; Winter Quarter, January 2, 1918; Spring Quarter, April 1, 1918. Students are admitted at the opening of each quarter; graduation exercises are held at the close of each quarter.

The unit of work and of credit is a *major*, i.e., a course of instruction involving four or five recitations or lecture hours per week for a full quarter, or double that number of hours for a term of six weeks. A *minor* is one-half a major. Normal work is three majors per quarter, or nine per year of three quarters.

Degrees.—The University confers in the Graduate Schools the degrees of Doctor of Philosophy and of Master of Arts and of Science; in the Colleges, the degrees of Bachelor of Arts, of Science, and of Philosophy; in the Divinity School, the degrees of Bachelor of Divinity, of Master of Arts, and of Doctor of Philosophy; in the Law School, the degrees of Doctor of Law and of Bachelor of Laws; in the School of Education, the degrees of Bachelor of Arts in Education, of Philosophy in Education, and of Science in Education; in the School of Commerce and Administration, the degree of Bachelor of Philosophy.

Fellowships, scholarships, student service, etc.—By virtue of endowments and special appropriations, fellowships and scholarships and service afford stipends or tuition to a number of able and deserving students. The University also maintains a bureau for securing outside employment.

Guests of the University.—Under certain conditions Doctors of Philosophy of the University of Chicago and of other universities will be welcomed as guests of the University.

ROUTINE OF ENTRANCE

A. CREDENTIALS

Application should be addressed to The University of Chicago, Chicago, Ill. When presenting himself for admission to the University, the student should bring his *card of admission credits*, if he is beginning a Junior College course; his *letter of dismissal* and an official statement concerning his previous work, if he is entering with advanced standing from another institution (see p. 111); his diploma or other official evidence of graduation, if he is entering the Graduate Schools.

Undergraduates present their credentials at the office of the University Examiner; graduate students report at the office of the Deans of the Graduate

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Schools. Detailed directions will be furnished as to the mode of registering for courses of instruction desired.

B. MATRICULATION AND REGISTRATION

I. *Time of registration.*—1. Students in residence will register for the following quarter on the days announced on the bulletin boards and in the *Weekly Calendar*. 2. Students (except Freshmen) entering the University *for the first time*, or resuming work after absence for a quarter, will register on the first day of the quarter.

II. *Order of procedure for new students.*—New undergraduate students will: 1. In case they come from a secondary school or another college, present credentials to the Examiner and secure a *Course Book* (certificate of admission). This should be done by correspondence. New students should send their credentials to the Examiner at least two weeks before they come to register. 2. *Matriculate* in the office of the Dean of the School or College to which admission is desired. Matriculation is granted on presentation of the proper certificate of admission entitling the student to enter the University. As evidence of membership the student is given a *matriculation card*. This card should be retained under all circumstances, as it must be shown whenever membership in the University is to be demonstrated. 3. *Register*, in the same office, for the courses of study desired for the ensuing quarter. For this purpose the student will be given a *registration card* for the quarter, on which, after consultation with the Dean, the courses desired will be entered. 4. *Pay the University fees* for the ensuing quarter. In order to do this the student will present the *matriculation card* and the proper *registration card* at the office of the Cashier, Press Building, Room 1. On payment of the fees the Cashier will stamp the matriculation card and return it to the student, together with a receipt for tuition fees and for laboratory fees (if any). Tuition and other fees may conveniently be paid by check to the order of the University of Chicago, provided the necessary registration cards accompany the check. Details as to fees will be found below. The names of the students will be sent to instructors as entitled to attend classes *only after the fees have been paid*, as above specified.

Graduate students follow the procedure above, but report to the Deans of the Graduate Schools instead of to the Examiner.

III. *Changes in registration.*—After the first day of the quarter change of registration is permitted only (1) with the consent of the Dean, and (2) on payment of a fee of *one dollar* for each instance of change. In case of changes necessitated by the University no fee is required.

All changes in registration must be made officially in the Dean's office. This applies to courses dropped, courses added, changing from one course to another, changing from "visitor" to "credit," or vice versa. No change in registration may be made after the fifth week of the quarter.

IV. *Required physical culture.*—Junior College students are required to take continuous work in Physical Culture, and will register each quarter for a course in that Department. Senior College students take courses in Physical Culture during at least four quarters, and will *in no case omit to register* for a course in that Department except after securing the written approval of the Director of Physical Culture and presenting the same to the Dean at the time of registration.

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FEES FOR MATRICULATION, TUITION, ETC.

A. *Matriculation fee.*—The matriculation fee is $5.00, and is required of every student on entrance into the University.

B. *Tuition fee.*—1. The tuition fee for new students in the Colleges, the School of Commerce and Administration, and the School of Education, including also unclassified students, is:

One major, $25.00.
Two or three majors, $50.00.
Each additional major above three, $20.00.

For those students who have been registered in the above-mentioned groups prior to the Summer Quarter, 1917, the tuition fee will remain as heretofore, $40.00 for two or three majors, $20.00 for a single major, and for each additional major over three, $15.00.

2. *All tuition and laboratory fees are due on or before the first day of each quarter, and are payable without extra fee up to the end of the fifth day of the quarter. All fees are payable to the Cashier,* Press Building, Room 1.

C. *Fines, etc.*—For failure to pay tuition fees within the first five days of the quarter a fee of $5.00 is added to the bill.

D. *Laboratory fee.*—Students in most laboratory courses pay a laboratory fee of $5.00 a major (M. or DMj. courses will be charged in proportion). In the Departments of Home Economics and Household Art, Modeling and Ceramics, and Manual Training, laboratory fees varying from $1.50 to $6.00 are charged for certain courses, depending on the nature of the courses. Ten dollars ($10.00) is the maximum charge for laboratory work in any one department. In addition to the regular laboratory fee, students in Chemistry will procure a coupon ticket, entitling them to $5.00 worth of laboratory material. Students doing laboratory work in the Departments of Zoölogy, Anatomy, Physiology, Botany, Pathology, and Hygiene and Bacteriology are required to purchase a laboratory supply and breakage ticket ($5.00 for a single course and $10.00 for more than one course in this group of departments) at the office of the Cashier, and file the same at the laboratory supply store, Room 10, Botany Building.

E. *A small material fee* is charged in certain courses in Political Economy and Sociology.

F. *Gymnasium locker fee.*—For the use of a locker in the dressing-room of the gymnasium a fee of $1.00 a quarter is charged. A small fee is also charged for the use of the tennis courts.

G. *Graduation fee.*—The general graduation fee, including diploma, is $10.00. The graduation fee for Doctors of Philosophy, including diploma and hood, is $15.00. In the case of students taking the certificate of a two years' course the charge is $5.00.

ROOMS, BOARD, AND GENERAL EXPENSES

There are ten dormitories in the University quadrangles. Two of these are reserved for the students of the Divinity School, and five are for women. A University House is organized in each dormitory; each House has a Head, appointed by the President of the University, and a House Committee, elected by the members; also a House Counselor, selected from the Faculties of the

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University by the members of the House. The membership of the House is determined by election, and each House is self-governing under the general control of the University.

The cost of rooms in the dormitories is from $25.00 to $75.00 per quarter of twelve weeks. This includes heat, light, and care. Each hall for women has separate dining-hall and parlors. The cost of table board in these halls is $4.50 per week.

All applications for rooms, or for information concerning rooms and board within or without the quadrangles, should be made to the Cashier.

The table shown below will furnish an estimate of the annual expenses, exclusive of tuition and laboratory fees, for thirty-six weeks of a student in the University residing within the quadrangles.

	Lowest	Average	Liberal
Rent and care of room	$ 60.00	$105.00	$225.00
Board	135.00	162.00	225.00
Laundry	15.00	25.00	35.00
Textbooks and stationery	10.00	20.00	50.00
Total	$220.00	$312.00	$535.00

The University of Chicago maintains its Housing Bureau in order to assist its students in finding the best accommodations obtainable in the University neighborhood. All rooms listed have been inspected and certain standards are maintained. Rooms on small inclosed courts are not listed, and all householders registered must rent exclusively to men or exclusively to women. The use of a reception room at least two evenings a week must be provided for women students. Students are asked to co-operate by insisting on these requirements even if they do not engage their rooms through the Housing Bureau. Upon arrival at the University, students should apply at once to the Housing Bureau for a list of rooms. Incoming students are especially cautioned against strangers who approach them at the station or on the streets and offer their services in securing rooms.

Most students off the quadrangles secure furnished rooms, which may be had at prices ranging from $30 to $60 a quarter, and take their meals at the University or at restaurants in the neighborhood. It is difficult to find good board by the week or month, and there are very few places where board and room are offered. As a result, it is customary to pay for each meal separately. Cafeteria service is provided at the University Commons—Ida Noyes Hall for women and Hutchinson Hall for men. Men occasionally find a small room, or a dark room, for less than $30 a quarter, but women usually have to pay $36 or more. Householders usually prefer men, hence the price level is higher for women. Not less than $4 a week should be allowed for table board, and one can seldom find a room with outside light, droplight, a study table, ample closet space, and a comfortable bed for less than $36 a quarter.

Desirable furnished rooms for light housekeeping are difficult to find. They range in price from $16 to $30 a month. In the University neighborhood there are very few two- or three-room apartments with private bath, and their rental unfurnished is from $30 a month up. The so-called kitchenettes in the vicinity

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of the University are small, usually dark, rooms with a kitchen table and gas plate, but never with running water. Rooms with kitchen privileges are to be had at the regular room rates with an additional charge of about $6 per quarter.

Furnished rooms or apartments of from four to ten rooms vary in price from $30 to $150 per month.

Lists of rooms may be obtained at the office, Room 1, Press Building, about one week before the opening of each quarter. Lists should be obtained in person at this office. Renting by mail is not satisfactory and students are advised against it.

DOCTORS OF PHILOSOPHY AS GUESTS OF THE UNIVERSITY

The President of the University, on recommendation of a Head of a Department, will welcome Doctors of Philosophy of the University of Chicago, as well as of other universities, as guests of the University, with the privilege of attending seminars and of carrying on research in the laboratories and libraries. There will be no charge except for laboratory supplies and a nominal laboratory fee where laboratory work is done. Arrangements should be made in advance with the President of the University.

SCHOLARSHIPS AND OTHER AID

A. HONOR SCHOLARSHIPS

Honor Entrance Scholarships.—To a limited number of students of high rank from co-operating high schools an honor scholarship ($150 in tuition fees) is granted each year. Holders of honor scholarships are not required to render service to the University. These scholarships may be revoked at the end of any quarter if the holder's work is not maintained at a satisfactory grade.

Competitive Examination Entrance Scholarships.—In connection with the annual conference of the University in co-operation with its secondary schools held at the University in April of each year competitive examinations in certain subjects are open to seniors in the co-operating high schools. Each student is expected to take a principal and secondary examination in subjects of his own choice within certain limits designated by the University. There are likewise contests in reading aloud and effective speaking. A total of eleven scholarships is given covering tuition ($150) for the next academic year.

Second-Year Honor Scholarships.—To twenty Junior College students who have shown exceptional ability in the work of the first year honor scholarships are granted for the second year (three quarters) for the undergraduate course. One of these is called "The Lillian Gertrude Selz Scholarship" and grants full annual tuition fees plus $50 in cash to the young woman who completes the first year with highest standing.

Senior College Honor Scholarships.—To twelve Senior College students nominated by the departments for excellent work in the Junior College courses honor scholarships are granted to cover the tuition fees of the third year.

Graduate Honor Scholarships.—Twenty scholarships are assigned to students who have completed with honor the work of the Senior College. Each department of the University, with the approval of the Committee on Scholarships, has the privilege of naming a student who is for that year the honor student of the Senior

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College in that department, and to this student there is given a graduate scholarship yielding in each case a sum equal to the University fees for three quarters, provided the student continues his studies in the Graduate Schools. The assignments are made in the Spring Quarter, and in no case does a scholarship continue beyond the end of the Spring Quarter next following the date of assignment.

Undergraduate.—A limited number of scholarships yielding a part or all of the tuition fees for three quarters are available for undergraduate students of attainment and promise. Holders of these scholarships are not required to render service to the University. These scholarships may be revoked at the end of any quarter if the holder's work is not maintained at a satisfactory grade.

The following specially endowed honor scholarships are also available for undergraduate students:

"The Kelly Scholarship," which yields the annual tuition fees.

"The Walter D. Löwy Scholarship," which yields full annual fees and is granted to a student of high scholarship, preferably to a person of the Jewish faith.

"The Henry C. Lytton Scholarship," which yields the annual tuition fees.

"The Marie J. Mergler Scholarship," which yields annual fees to a young woman student specializing in Physiology.

"The Joseph Reynolds Scholarships," which yield $1,455 per year, available in tuition fees for men students.

"The Scammon Scholarship," which yields $25 toward the tuition fees of a Chicago student.

"The Charles H. Smiley Scholarship," which yields full annual fees and is granted to a student of high scholarship, preferably to a colored student.

"The Peter Tilton Scholarship," which yields $50 in tuition fees.

"The University Scholarship," which gives full annual fees to a student of high scholarship specializing in Semitics.

"The Catherine M. White Scholarships," which yield annual fees for three students of high scholarship.

B. COMPETITIVE AND PERSONALLY BESTOWED SCHOLARSHIPS

Certain scholarships are bestowed either by examination or by personal appointment as follows:

"The Enos M. Barton Scholarship," endowed by Mr. Enos M. Barton, of Chicago, provides for the tuition fees of a student for three quarters. It is awarded annually to an undergraduate student whose scholarship in preparatory work and in college shall reach B, and who shall maintain this standing subject to forfeiture.

"The Permelia Brown Scholarship," about $1,250 per annum, provided for under the will of Permelia Brown, offers aid to unmarried American-born women students, residents of Chicago, Cook County, Illinois. Application should be made to the Dean of the Faculties.

"The Civil Government Scholarship" yields $200 annually and is awarded to an undergraduate who has been in residence two quarters, who has no more than nine majors, who has an average grade of C, and who in the first week of the Spring Quarter passes the best examination on the subject of "Civil Government of the United States." No award is made unless the examination mark is at least 80 per cent.

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"The Colby Scholarships" yield full annual tuition fees for five graduates of Wayland Academy.

"The Zwinglius Grover Memorial Scholarship," endowed by the Alumnae Association of Dearborn Seminary, yields annual fees for a woman student.

"The David Blair McLaughlin Prize." This prize of approximately $50, the annual net income of $1,000, established in memory of David Blair McLaughlin, 1895–1914, a student in the College of Literature of the Class of 1916, is awarded annually to a student having credit for not more than two years of college work who has shown special skill and sense of form in the writing of English prose.

"The Pillsbury Academy Scholarships," which yield tuition fees annually for five graduates of Pillsbury Academy.

"The Howard T. Ricketts Prize," about $250, the net annual income of $5,000, is awarded on the third day of May to a student of the University of Chicago presenting the best results in research in Pathology or Bacteriology.

"The Elbert H. Shirk Scholarship," available for students nominated by the Shirk Estate, Peru, Indiana, yields the annual tuition fees.

"The Henry Strong Scholarships," provided for under the will of General Henry Strong, offer aid to students possessing not only zeal for scholarship but also character and those traits tending to leadership. Four scholarships, yielding in the aggregate $1,000, will be assigned annually. Application should be made to the President before August 1.

"The Talcott Scholarships," endowed by Mr. William A. Talcott, of Rockford, Illinois, provide tuition fees to the amount of $480 per year. This fund is reserved for graduate students, preferably graduates of Rockford College.

Three scholarships, tuition fees for one quarter, are awarded to the members of the Freshman debating team.

Five "Public-Speaking Scholarships" (tuition fees for one quarter) are granted to the winners in the quarterly Public-Speaking Contests in the Junior Colleges.

"Oratorical Contest Scholarships" are granted to Senior College students annually as follows: the first prize, tuition fees for three quarters; the second, tuition fees for two quarters; the third, tuition fees for one quarter.

"The University Debate Scholarships" provide for the awarding of six scholarships, tuition fees for two quarters, to the six members of the University debating teams.

A prize of $100 founded in memory of Mrs. Florence James Adams is offered to students for excellence in artistic reading. The competition occurs in June.

"Julius Rosenwald Oratorical Prizes" are granted to Senior College students annually as follows: $100 cash to the speaker ranking first; $50 cash to the speaker ranking second.

Medical scholarships as prizes for research.—In order to encourage the investigative spirit and method among prospective medical students in the list of colleges recognized by the University of Chicago, the University offers three or four prize scholarships in the Medical Courses for the best theses involving original work in one of the sciences fundamental to medicine: physics, chemistry, or any of the biological branches. Two or three of these are open to undergraduates only, as follows: The first prize scholarship, a sum equal to the tuition

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for three quarters ($180); the second scholarship, a sum equal to the tuition for two quarters ($120); and the third scholarship, a sum equal to the tuition for one quarter ($60). Students submitting theses in this group must be members of the Senior class of the college which they are attending and must secure the Bachelor's degree from said college and be eligible to enter the Graduate School of the University of Chicago in order to claim the scholarship won.

One prize scholarship, yielding a sum equal to the tuition for three quarters ($180), for a thesis similar to the above is open only to graduate students in these colleges.

The competition for these prize scholarships in medicine is open only to students in colleges which are in the recognized list of the University of Chicago.

Theses must be in the hands of the Dean of Medical Students, University of Chicago, on or before April 1, 1918. Further particulars in regard to these scholarships may be had on application to the Dean.

N.B.—*These prize scholarships may not be applied on deferred tuition bills or on notes.*

C. UNIVERSITY SERVICE

DEPARTMENTAL SERVICE

a) *Graduate.*—A limited number of assignments to service, yielding a part or all of the tuition fees for three quarters, are available for graduate students of attainment and promise. This service is usually rendered in the department in which the student is doing the major part of his work. **Students in departmental service pay their tuition fees in cash at the beginning of each quarter.** At the close of the quarter they receive a cash payment for the amount of the service if it has been satisfactorily rendered.

Assignments of this class are awarded preferably to students who desire to work in a special department rather than to those who desire to pursue general courses. Application should be made to the Deans of the Graduate Schools.

b) *Undergraduate.*—On recommendation of departments a limited number of assignments to departmental service are made to students in the Senior Colleges. Such students render ten hours' service a week in the departments by which they have been recommended. Application should be made to the Dean of the College of Science and to the Dean of the School of Commerce and Administration.

LIBRARY SERVICE

Applicants for positions in Library service are appointed to service by the Libraries. Students holding such appointments must maintain a grade of academic work satisfactory to their Deans and of service satisfactory to the Libraries. Such students are required to pay their fees in cash at the office of the Cashier within the first five days of the quarter. For whatever service they may satisfactorily render they will be paid in cash at the end of the quarter.

CHOIR AND BAND SERVICE

Another means of assistance to students consists of service in the University Choir and the University Band. Inquiries concerning such service may be addressed to the Director of the University Choir and the Director of the University Band, care of the University of Chicago.

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D. OUTSIDE EMPLOYMENT

The University maintains an Employment Bureau through which many kinds of work are found for students who are compelled to depend in whole or in part upon their own resources.

E. THE STUDENTS' FUND SOCIETY

From a fund created by friends of the University loans are made to many students of worth and promise who need temporary aid. This fund is limited and is usually exhausted early in the academic year.

A special circular entitled *Assistance to Students at the University of Chicago* will be sent on request. It gives details concerning all the forms of aid, routine of application, etc.

LIBRARIES, LABORATORIES, AND MUSEUMS

A. THE LIBRARIES

The Libraries of the University include the General Library and the Departmental Libraries.

The General Library is a reference and circulating library and is open to students in all departments of the University. Students who have matriculated and paid their library fees may take out at one time three volumes from the General Library or from other libraries open to circulation. These may be kept two weeks, and in special cases may be renewed for two weeks. The Library is open every week day from 8:00 A.M. to 10:00 P.M., holidays and vacations excepted. In the latter it is open from 9:00 A.M. to 5:00 P.M.

The Library of the School of Education is open to the use of all members of the University. It is open each week day from 8:00 A.M. to 10:00 P.M. Books may be drawn for one week and renewed for one week.

The Law Library is open each week day from 8:00 A.M. to 10:00 P.M.

The Departmental Libraries are primarily for the use of advanced students in the respective departments. Books are not withdrawn, except overnight or by special permission.

The Libraries contain at the present time approximately 485,847 volumes bound and catalogued. They receive 2,700 current periodical publications, including the transactions and proceedings of learned societies. Technical periodicals are, as a rule, found in the Departmental Libraries.

B. THE LABORATORIES

The Kent Chemical Laboratory and the Ryerson Physical Laboratory contain rooms for special research, small laboratories for work of investigation, large laboratories for general instruction, lecture-rooms, classrooms, library, museum, and offices.

The Hull Biological Laboratories are a group of four buildings devoted to the study of the anatomical, botanical, physiological, and zoölogical sciences. Medical instruction is given in three of these laboratories.

The Howard Taylor Ricketts Laboratory is exclusively devoted to work in Pathology and Hygiene and Bacteriology.

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The Psychological Laboratories occupy two buildings, one devoted to work in human psychology and one to the study of animal behavior.

The Psychopathic Laboratory for the study of abnormal mental conditions in children is housed in a building of its own.

C. THE MUSEUMS

The Walker Museum contains the collections of fossils of the Department of Geology and various mineralogical, anthropological, paleontological, and geological collections donated to or deposited in the Museum. It contains also the lecture-rooms and libraries of the Department of Geology and of the courses in Anthropology.

The Haskell Oriental Museum contains collections of Egyptian, Babylonian, Assyrian, Comparative Religion, and Biblical Antiquities, and occupies the second and part of the third floor. A large assembly room and administration offices are on the first floor, and a library is on the third floor.

D. THE OBSERVATORY

The Yerkes Astronomical Observatory at Lake Geneva is situated near Williams Bay, Wisconsin. Its principal instrument is a refracting telescope of forty inches aperture. Advanced students in Astronomy may register for work at the Observatory, spending their whole time at Williams Bay.

GYMNASIUMS

Two gymnasiums, one for men and one for women, offer opportunities for many kinds of indoor athletics. There are also two large fields for outdoor exercise. A further description of the buildings and grounds may be found on pp. 279–82 of this *Circular*.

DEPARTMENTS OF INSTRUCTION

For purposes of instruction the University is organized into departments. The following departments are included within the Schools of Arts, Literature, and Science:

Division I

- Philosophy
- Psychology
- Education

- Political Economy
- Political Science
- History
- Sociology and Anthropology

- Household Administration

- Comparative Religion

- The Oriental Languages and Literatures
- New Testament and Early Christian Literature

- The History of Art
- Comparative Philology, General Linguistics, and Indo-Iranian Philology
- The Greek Language and Literature
- The Latin Language and Literature

- The Romance Languages and Literatures
- The Germanic Languages and Literatures
- The English Language and Literature
- General Literature

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DIVISION II

Mathematics Astronomy and Astrophysics Physics Chemistry	Zoölogy Anatomy Physiology Physiological Chemistry, Pharmacology, and Experimental Therapeutics Botany Pathology Hygiene and Bacteriology
Geology and Paleontology Geography	

DIVISION III

Public Speaking — Physical Culture and Athletics

The announcements of departments bracketed together are contained in separate Group Circulars, which may be secured upon application.

Departmental circulars giving a more detailed statement of requirements will be sent on application.

THE GRADUATE SCHOOLS

DEGREES

Graduate study may lead to a Master's or to a Doctor's degree under the conditions specified below:

I. THE MASTER'S DEGREE

Two degrees are conferred, viz., *Master of Arts* and *Master of Science.*

1. *Candidacy.*—Any member of the Graduate Schools who has been in attendance one quarter or more, and whose undergraduate course is equivalent to that required for a corresponding Bachelor's degree in the University of Chicago,[1] and whose thesis subject has been accepted by the department concerned, may, on recommendation by the department or departments in which he is working, be enrolled, by vote of the Faculties of the Graduate Schools, as a candidate for a Master's degree. Application for admission to candidacy must be made on the blank provided for the purpose. This blank must be obtained by the applicant at the Dean's office, and the application must be on file in that office at least two months before the degree is conferred.

2. *Requirements.*—Students thus accepted as candidates will be given a Master's degree on fulfilment of the following requirements:

a) At least three quarters' residence at the University.

b) At least 8 majors of graduate work at the University of Chicago. These 8 majors need not be all in one department, but must be selected according to some rational plan approved by the Deans of the Graduate Schools at least six months before the degree is conferred. The individual courses must receive the approval of the heads of the departments concerned.

[1] Attention is particularly called to the fact that the term "equivalent" in this connection refers to quantity only. It does not affect the question of the specific Master's degree (Arts or Science) to which a given student's work would lead. In case the candidate did not obtain his Bachelor's degree at the University of Chicago, he will present to the Examiner on blanks furnished for the purpose a detailed statement of his undergraduate work. The Examiner cannot always report upon these statements during the opening week of the quarter.

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c) A satisfactory dissertation on a subject approved by one of the departments in which the work is done.[1] The subject of the dissertation must be approved by the head of the department at least three months before graduation, and the thesis in complete form must be submitted to the department at least four weeks before the degree is conferred. This period may be lengthened to six weeks at the option of any department.

d) The delivery of five printed or typewritten copies of the dissertation to the University Library at least one week before the Convocation at which the degree is to be conferred. One of the copies must be bound.

e) A satisfactory examination on the work taken for the degree.

f) No course completed with a grade below C will count toward the Master's degree.

II. THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of *Doctor of Philosophy* is given, not on the basis of the completion of a certain amount of time spent upon a specified program, but as the recognition and mark of high attainments and ability in the candidate's chosen province, shown, first, by the production of a thesis evincing the power of independent investigation and forming an actual contribution to existing knowledge; and, secondly, by the passing of examinations covering the general field of the candidate's subjects, with more detail in the case of the principal subject, with less detail in the case of the secondary subject or subjects.

1. *Candidacy.*—Any member of the Graduate Schools who has been in attendance one quarter or more, whose undergraduate course is equivalent to that required for a Bachelor's degree in the University of Chicago,[2] whose thesis subject has been accepted by the principal department, and who has a reading knowledge of two modern languages other than English, may, on recommendation by the principal department in which he wishes to take his degree, be enrolled, by vote of the Faculties of the Graduate Schools, as a candidate for the Doctor's degree. The languages other than English must be languages which contain important critical literature of the subject in which the candidate's principal work is done. They must be selected with the approval of the department of principal work and of the Dean, and a reading knowledge of the languages must be certified by the appropriate departments not less than one academic year (9 months) before the degree is conferred. Application for admission to candidacy must be made on the blank provided for the purpose. This blank must be obtained by the applicant at the Dean's office, and the application must be on file in that office before the close of the quarter preceding that in which the degree is conferred.

2. *Requirements.*—Students accepted as candidates will be given the Doctor's degree on fulfilment of the following requirements:

a) At least three years of resident work in pursuance of an accepted course of study. The student may follow one of two plans. Plan I: The work offered in fulfilment of the requirements for the Ph.D. degree in any department is

[1] In exceptional cases the Deans, upon the recommendation of the departments concerned, may accept an additional major in lieu of the dissertation.

[2] In case the candidate did not obtain his Bachelor's degree at the University of Chicago, he will present to the Examiner on blanks furnished for the purpose a detailed statement of his undergraduate work. The Examiner cannot always report upon these statements during the opening week of the quarter.

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outlined by that Department and approved by the Dean, for each candidate, not later than the first quarter of his last year of residence work. The work required will include such courses in departments allied to that of principal work as may be deemed necessary by the principal department to obviate narrow specialization. The work is selected with regard to the needs of the individual student, with the double purpose (1) of giving him a knowledge of the relations of his principal subject to cognate branches of learning, and (2) of preparing him for productive scholarship. All courses offered in fulfilment of the requirement for the degree must be advanced courses, and a list of courses shall be submitted to the Faculties when the applicant is admitted to candidacy. Plan II: The work offered must include one principal and either one or two secondary subjects. The amount of work required in the secondary subject or subjects is normally 9 majors. Candidates for the degree of Doctor of Philosophy may not, as a rule, take more than two-thirds of their work in one department, and may not take work which is to count toward the degree in more than three departments.

b) A satisfactory final examination on the work done in preparation for the degree.

c) The presentation of a satisfactory thesis on a subject which has been approved by the Head of the Department in which the principal part of the candidate's work has been done.

d) A good command of literary expression and such knowledge of subjects considered fundamental as may be prescribed by the several departments.

3. *Thesis.*—Each student is required to prepare a thesis upon some topic connected with his principal subject. The thesis must constitute an actual contribution to knowledge. Its subject must be submitted for approval to the Head of the Department at least twelve months before the date of the final examination. The thesis itself must be submitted to the Head of the Department at least one month before the date of the final examination. This period may be lengthened to six weeks at the option of any department.

One week before the Convocation at which the degree is conferred a typewritten copy of the thesis, together with a certificate signed by the Head or Acting Head of the Department that the copy, as submitted, is accepted for publication as the candidate's thesis for the Doctor's degree, shall be filed in the office of the Deans of the Graduate Schools. Said copy may not be withdrawn from the office of the Deans of the Graduate Schools until the required one hundred copies are deposited in the Library.

The candidate shall deposit in the office of the Deans of the Graduate Schools a contract in legal form to the effect that he will furnish the General Library with one hundred copies (including two bound in half-roan) which shall fulfil in format, cover, title-page, and stock all the University requirements.

Any one of the following three methods may be followed:

a) A signed statement may be filed in the Graduate Office from a publishing agency approved as to its technical efficiency by the University Press, and also as to its professional responsibility by the department concerned, that the thesis has been received and accepted for publication.

The one hundred copies furnished to the General Library must be separate prints. They must contain no other material and must be put in covers (ninety-eight in paper covers and two in half-roan).

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b) The candidate may deposit with the Business Office a legal financial guaranty sufficient to enable the University Press to print the required one hundred copies, including the binding of two copies in half-roan. This guaranty shall mature at the expiration of two years from the date of the conferring of the degree; or

c) The candidate may at his own cost secure publication of the thesis in the form prescribed by the University, in which case the degree will be conferred only after the delivery of the required one hundred copies to the General Library.

Additional thesis regulations:

d) Upon recommendation of a department and approval of the Dean of the Faculty immediately concerned, a form of the Doctor's thesis briefer than that received in satisfaction of requirements for the degree may be accepted for publication. For instance, the alternative form of publication may be an account of the method pursued in the investigation, together with an abstract of the evidence used and a complete summary of the conclusions reached; or it may be a single chapter, provided the same represents a distinct unit of investigation.

e) In case the briefer form of the Doctor's thesis is accepted for publication, five typewritten copies of the complete thesis are required for deposit in the library in addition to the printed copies.

f) In case the course provided for in (*d*) is adopted, arrangements for the same are made in the Dean's office before the expiration of the term fixed for publication.

g) Clauses (*d*)–(*f*) are held to modify other rules governing publication of theses in the one detail of providing for acceptance of a printed abbreviation in the place of the complete thesis.

4. *Final examination.*—Plan I: After admission to candidacy the student may present himself for examination as soon as he has fulfilled (1) the requirements of the department, and (2) the theses requirements (see 3, above). The examination shall be conducted by a committee consisting of the members of the department in which the degree is to be taken, and a representative of some other department, appointed by the Dean of the Graduate Schools. The candidate is required to prepare a typewritten or printed brief of his work, including an analysis of the thesis, and to file six copies of the same with his Dean for distribution to the committee one week before the time set for the examination. In the case of the examination in the secondary department, the statement should include the work in this department, and the statement for the final examination should include the work of both departments.

Plan II: After admission to candidacy the student may present himself for examination in his secondary subject or subjects as soon as he has fulfilled the requirements of the department or departments concerned. He may present himself for the examination in his principal subject, or in both principal and secondary subjects if the examination in the latter has not been taken in advance (1) as soon as he has fulfilled the requirements of the department or departments concerned, and (2) after he has made satisfactory arrangements as regards his thesis. The examination will be conducted by a committee consisting of the members of the principal department concerned, an appointed representative of the secondary department, or a representative of each of them if there are

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two, of any other members of the secondary department who may choose to attend, and a member of some other department appointed by the Deans of the Graduate Schools. If the examination in the secondary subject or subjects is separated from the examination in the principal subject, the two may not be held in the same quarter, nor within two months of each other.

5. *Non-resident work.*—After being admitted, the student may be allowed to substitute non-resident work for resident work to a limited extent, under conditions to be arranged in consultation with the Dean and the heads of the departments concerned.

6. *Work done in other universities.*—Graduate work done in another university will be accepted as equivalent to resident work in the University of Chicago, provided the institution in which the work was done is of high standing and adequate evidence is furnished that the work done there was satisfactorily performed. Graduate work done in other institutions cannot reduce the residence requirement at the University of Chicago to a period less than one year.[1]

FELLOWSHIPS

1. *The University Fellowships.*—The University appropriates annually the amount of twenty-two thousand one hundred and forty dollars ($22,140) for Fellowships in the Graduate Schools and $3,705 in the Divinity School. These Fellowships are awarded by the Trustees, upon the recommendation of the President and the nomination of particular departments, to graduate students who desire to pursue advanced work in some special line. About one hundred Fellowships, ranging in individual value from $120, or tuition fees for three quarters, to $520, are assigned each year.

The University asks of its Fellows a modicum of service, consisting of work (*a*) as an instructor; (*b*) as an assistant in reading examination papers; (*c*) as an assistant on a University journal; or (*d*) as an assistant in one of the departmental laboratories, museums, or libraries. In no case is a Fellow expected to devote so much time to the work here indicated as to interfere seriously with his own study.

Each Fellow makes a written report to the Dean at the beginning of each quarter. This report outlines his work as a student and the work assigned to him as an officer of the University for the current quarter, and is indorsed by the head of the department. The report blanks may be procured at the Graduate Office.

2. *Applications for Fellowships.*—Applications for Fellowships should be addressed to the Deans of the Graduate Schools of the University, *and should be in their hands on or before March 1.*

3. *Appointments to Fellowships.*—

a) *Date.*—The annual assignment of Fellowships is made early in April. A Fellowship is available for any three of the four quarters, beginning with the Summer Quarter, following the date of appointment.

b) *Attainments required.*—The candidate must have attained proficiency in some department. In general, he should have spent at least one year in resident

[1] In order to avoid misunderstandings, candidates for higher degrees should consult their Deans concerning all technical requirements for such degrees before application is made for admission to candidacy. In all cases candidates should consult early with the heads of the departments of their major and minor subjects.

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study after receiving his Bachelor's degree. In making the appointment special weight is given to theses indicating the candidate's ability to conduct original investigation.

4. *Special Fellowships.*—In addition to the regular University Fellowships mentioned above, there are special Fellowships offered by individuals. These vary somewhat in number and amount from year to year. At present they are as follows:

a) *The Joseph B. Loewenthal Fellowship in Chemistry*, endowed by Mr. Berthold Loewenthal, of Chicago, as a memorial of his son, Joseph B. Loewenthal. It yields about $400 to the incumbent annually appointed, and is awarded on the nomination of the Department of Chemistry and the recommendation of the President of the University.

b) *The Gustavus F. Swift Fellowship in Chemistry*, endowed by Mrs. Gustavus F. Swift, Chicago, as a memorial of her husband, Gustavus F. Swift. It yields about $520 to the incumbent annually appointed, and is awarded for especial ability in research on the nomination of the Department of Chemistry and the recommendation of the President of the University.

c) *The Edith Barnard Memorial Fellowship in Chemistry*, established in memory of Dr. Edith Barnard, yields $120 a year, and is awarded by the University, on nomination of the Department of Chemistry, to some deserving graduate student.

d) In the School of Commerce and Administration Fellowships and assistantships ranging from $250 to $720 are available under the conditions of the gift in memory of Eli B. Williams and Harriet B. Williams.

ADMISSION REQUIREMENTS OF THE COLLEGES

A. ADMISSION FROM SECONDARY SCHOOLS

I. GENERAL STATEMENT

A student must offer for admission 15 units of credit by examination or by certificate from an approved school from which he has graduated with an average grade in academic subjects (English and groups 1–6; see next paragraph) higher than the passing-mark of the school by at least 25 per cent of the difference between that mark and 100. Among these must be (*a*) 3 units of English, (*b*) a "principal group" of 3 or more units, and (*c*) a "secondary group" of 2 or more units. Of the 15 units 7 must be selected from the subjects named in the groups designated below; 5 may be selected from any subjects for which credit toward graduation is given by the approved school from which the student receives his diploma.

The principal and secondary groups offered may be selected from the following: (1) Greek, (2) Latin, (3) modern language other than English, (4) History, Civics, and Economics, (5) Mathematics, (6) Physics, Chemistry, Botany, Zoölogy, General Biology, General Science, Commercial Geography, Physiology, Physiography, Geology, Astronomy. To form a language group the units must be all in one language. In other groups any combination of subjects may be made. Credit is not given for less than 1 unit each in Algebra, Plane Geometry, Physics, Chemistry, or a language. In Latin 2 units must be offered if the subject is to be continued in college. Less than ½ unit in any subject is not accepted.

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SUMMARY OF ADMISSION REQUIREMENTS

3 units of English.

3 (or more) units in a single group, 1–6.

2 (or more) units in another single group, 1–6.

2 (or less) units in subjects selected from any of the groups 1–6.

[Total 10 units in English and groups 1–6.]

5 units selected from any subjects accepted by an approved school for its diploma.

Entrance with conditions is not permitted.

II. ADVISORY GROUPING OF SUBJECTS IN PREPARATION FOR ADMISSION

The attention of students is drawn to the fact, as explained below, that certain subjects are required which may be taken either in the high school or in the college. It is urgently recommended that as many as possible be taken during the high-school course. Students who are preparing for a professional degree or for specialized work will materially increase the opportunity for freedom of election by adopting the following suggestions for their high-school work:

A student is advised to take throughout his last year of high school some subject other than English which will form the basis of the continuation group of his first year in college. Proper subjects for this continuation group are History, Greek, Latin, French, German, Mathematics, Physics, Chemistry, Physiography, and Biology. This study may form part of the principal or the secondary group.

LANGUAGE

Three units of English are specifically required.

The study of foreign languages, both ancient and modern, is best begun in the high school. A reading knowledge of at least one of the modern languages is strongly recommended and it is extremely desirable that this be gained before the student enters college. Students who intend to specialize in the classics are advised to present 4 units of Latin and if possible 3 units of Greek. Those who intend to enter Law or Medicine, or to specialize in modern languages, are advised to present at least 2 units of Latin. The first two years of Latin are not offered in the Colleges.

MATHEMATICS

It should be noticed that 2 units or 4 majors of mathematics are required for the college degree. It is desirable that one year of algebra and one of plane geometry should be presented for admission by all students, as these subjects are not at present offered in the Colleges.

SCIENCE

The 2 units or 4 majors of science required for the college degree may be taken either in the high school or in the college. Students intending to enter medicine should present at least 1 unit of Physics and if possible 1 unit of Chemistry.

HISTORY

The character and amount of history taken in the high school may be determined by the student in consultation with the school authorities. It should, however, be recognized that if 2 units be taken during the high-school course, the student thereby gains freedom to elect a corresponding number of majors in college.

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III. TIME OF PREPARATION—ADMISSION UNITS

Preparation for admission to a Junior College is expected to cover a period of four years in a secondary school (high school or academy) of high grade. Admission credits are reckoned in units. A unit is a course of study comprising not less than 120 sixty-minute hours of prepared work. Two hours of laboratory work are regarded as the equivalent of one hour of prepared work. Under conditions arranged with the school, preparatory work of high grade may be credited for a larger number of admission units than the same quantity of work of a lower grade.

IV. METHODS OF ADMISSION

Admission to the Junior Colleges of the University may be obtained by one of the following methods: by certificate, by examination, or by a combination of the two methods.

1. *Admission by certificate.*—Students who present credentials showing graduation from any of the following schools and whose course of study covers the admission requirements indicated above will, upon the recommendation of their respective principals, be admitted without examination: (1) the accredited[1] schools of the University, including (*a*) schools accredited by the North Central Association of Schools and Colleges; (*b*) schools approved by the Board of Admissions after inspection by official representatives of the University; (2) schools approved by the New England College Entrance Certificate Board; (3) schools outside the territory of the associations above mentioned but approved by a leading state university whose standards of admission are substantially the same as those of the University of Chicago. Applications for admission to the Colleges at the beginning of any quarter, accompanied by proper credentials, should be presented to the University Examiner *at least one month before the opening of that quarter, and will not be considered, except by special action of the Board of Admissions, if presented later than two weeks before the opening of the quarter.* The University reserves the right to refuse admission to any student whose preparatory work was of such grade as to create doubt of his ability to pursue college work successfully.

2. *Admission by examination.*—Regular entrance examinations are held twice each year, in June and in September, the June examinations being those of the College Entrance Examination Board. The candidate may, at his option, take his examinations at different times, provided that no examination is valid after three years from the date when taken and that no student shall be admitted to examination at more than three regular periods. Students who present by certificate less than 15 units from an accredited school may complete the requirements for admission by examination.

a) The June examination.—The examinations held by the College Entrance Examination Board will be accepted as a satisfactory substitute for the admission examinations held by the University of Chicago. The board's examinations will be held during the week June 17–21, 1918, and the corresponding week of the following year.

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[1] The continuation of any school on the accredited list of the University will depend upon the records made in the University by its graduates admitted on certificate.

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All applications for examination must be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N.Y., and must be made upon a blank form to be obtained from the secretary of the board upon application.

Applications for examination at points in the United States east of the Mississippi River, also at Minneapolis, St. Louis, and other points on the Mississippi River, must be received by the secretary of the board at least two weeks in advance of the examinations; applications for examination elsewhere in the United States or in Canada must be received at least three weeks in advance of the examinations, and applications for examination outside of the United States and Canada must be received at least five weeks in advance of the examinations.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidate concerned, but only upon the payment of $5.00 in addition to the usual fee.

The examination fee is $5.00 for all candidates examined at points in the United States and Canada and $15.00 for all candidates examined outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the board in June is published about March 1 of each year. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the secretary of the board not later than February 1.

b) The September examination.—The September examinations are held at the University. Those for 1917 will be held September 3–7. Applications for admission to these examinations should be made to the University Examiner at least thirty days in advance. Each applicant will pay in advance an examination fee of $5.00. The University Cashier's receipt for this fee entitles the student to admission to examination in as many subjects as he wishes to take at one period.

c) Special examinations.—Students seeking admission at the beginning of the Winter or Spring Quarter may, upon application to the University Examiner at least thirty days in advance, arrange for special examination in subjects in which they are deficient. These special examinations are held during the second week in December and March. For admission to such special examination a fee of $5.00 is charged.

V. DESCRIPTION OF SUBJECTS ACCEPTED FOR ADMISSION

The scope of the subjects accepted for admission is indicated in the pages which follow.

Political Economy

Some standard text, such as Laughlin's *Elements of Political Economy*, Johnson's *Introduction to Economics*, or Bullock's *Introduction to Economics*, should be used as the basis of work and of classroom discussion. Especial attention should be directed toward giving the student a thorough grounding in the fundamental principles. Students should have access also to selected economic treatises, and should be encouraged in connection with classwork systematically to extend their study into local conditions of industry and agriculture. ½ unit.

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Political Science

Civil Government.—Credit will be given for such knowledge of this subject as is indicated by any standard text—such as Hart, Hinsdale, or James and Sanford. The student should not be confined to one book, however, but should be accustomed to work by topics. ½ unit.

History

1. *The History of Greece* from earliest times to the fall of Corinth (146 B.C.), together with a preliminary survey of ancient oriental history. ½ unit.

2. *The History of Rome* from the earliest times to death of Constantine (337 A.D.), with especial emphasis upon the Republic of the first century B.C. and the history of the Empire. ½ unit.

Recommended texts: Goodspeed's *History of the Ancient World;* Botsford's *History of Greece* and *History of Rome,* or Botsford's *Ancient History;* Oman's *History of Greece;* Morey's *History of Rome;* Morey's *History of Greece;* Myer's *Ancient History* (revised edition, 1904); Abbott's *Short History of Rome;* Westermann's *Story of the Ancient Nations;* Breasted and Robinson's *Outlines of European History,* Vol. I; Webster's *Ancient History;* Bryant's *Short History of Rome.*

3. *General European History.*—The work in General European History is to begin with a study of the institutions of the Roman Empire under Diocletian and Constantine. The following texts are recommended: for the Mediaeval Period, Thatcher and Schevill's *The Middle Ages* (new edition); for the Modern Period, Schevill's *History of Modern Europe,* or Robinson's *History of Western Europe,* entire; Adams' *General European History;* Bourne's *European History;* Munroe and Whitcomb's *Mediaeval and Modern History.* 1 unit.

4. *The History of the United States, Elementary.*—(*a*) More attention should be given to the period subsequent to the Declaration of Independence than to that preceding. So far as possible the use of books other than the textbook should be encouraged. Fiske's, McMaster's, Thomas', or Johnston's school text is recommended. ½ unit. (*b*) *The History of the United States, Advanced.*—This requires more detailed study than the preceding. 4*a* is included in 4*b*, and separate credit will not be given for 4*a* if the student takes 4*b*. Recommended texts: Channing's *Student's History of the United States;* McLaughlin's *History of the American Nation; Epochs of American History* (3 vols.), edited by A. B. Hart; Muzzey's *American History.* 1 unit.

5. *The History of England, Elementary.*—(*a*) The student should know the main facts connected with the development of the English people. Recommended texts: Coman and Kendall's *The Growth of the English Nation,* Larned's *History of England,* Cheyney's *History of England,* or Tout and Sullivan's *Elementary English History.* ½ unit. (*b*) *The History of England, Advanced.*—This requires more detailed study than the preceding. 5*a* is included in 5*b*, and separate credit will not be given for 5*a* if the student takes 5*b*. Recommended texts: Terry's *History of England;* Gardiner's *Student's History of England;* Ransome's *History of England;* Cross's *History of England.* 1 unit.

Greek

1. Greek grammar and the translation into Greek of sentences of average difficulty. 1 unit. Required of candidates for the College of Arts.

2. The translation of a passage from Xenophon's *Anabasis,* either at sight or from Books i to iv, with grammatical, literary, geographical, and historical questions. 1 unit. Required of candidates for the College of Arts.

To satisfy the requirement of 1 and 2, four books of the *Anabasis* should be read, with frequent exercises in composition.

3. The translation of an average passage from the *Iliad* of Homer, either at sight or from Books i to vi, with questions on Homeric grammar and prosody. 1 unit.

3 is recommended to candidates for the College of Arts. The candidate is expected to have read at least six books of the *Iliad.* If only a half-unit is offered, an extra major—one of the elective courses—will be required in college.

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It is possible, however, for students who desire to be candidates for the degree of Bachelor of Arts who are admitted without Greek to take the preparatory courses in college. See this *Circular*, Department of Greek.

Latin

I. Amount and Range of Reading. 1. The Latin reading of candidates for admission to the College of Arts, without regard to the prescription of particular authors and works, should not be less *in amount* than Caesar, *Gallic War*, i–iv, with 1 year of beginner's Latin, 2 units; Cicero, the orations against Catiline, for the Manilian Law, and for Archias, 1 unit; Virgil, *Aeneid*, i–vi, 1 unit.

2. The amount of reading specified above should be selected by the schools from the following authors and works: Caesar (*Gallic War* and *Civil War*) and Nepos (*Lives*); Cicero (*Orations*, *Letters*, and *De Senectute*) and Sallust (*Catiline* and *Jugurthine War*); Virgil (*Bucolics*, *Georgics*, and *Aeneid*) and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*).

II. Subjects and Scope of Instruction. 1. *Translation at sight.*—Candidates should be trained in the translation at sight of both prose and verse, and a written test of proficiency in this respect should be made a part of every regular examination. The vocabulary, constructions, and range of ideas of the passages used in these tests should be suited to the preparation secured by the reading indicated above as the student's work progresses.

2. *Prescribed reading.*—The amount of reading specified above should include the following *prescribed* reading: Cicero, orations for the Manilian Law and for Archias, and Virgil, *Aeneid*, i, ii, and either iv or vi, at the option of the instructor, with questions on subject-matter, literary and historical allusions, and prosody.

3. *Grammar and composition.*—The work in grammar and composition should cover a thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the tests set in composition should be such as are common in the reading with which the student is at the time engaged.

4. *Suggestions concerning preparation.*—Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability (1) to take in the meaning and construction of each word where it stands, or, if not yet clear at that point, to hold *in suspense* whatever is doubtful until the solution comes; and (2) to *foresee* what is coming wherever the sentence itself gives an indication (as where a verb of asking, or saying, or commanding occurs before the clause which fills out the meaning). In short, the aim should be to understand the sentence as a Roman reader would have understood it, in the order in which it was written. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical word-for-word conversion, nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful and should be more practiced.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

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FRENCH

1. The first unit of French should comprise: (*a*) the essentials of grammar, including the inflection of nouns, adjectives, and the regular and more common irregular verbs; the forms and uses of pronouns; the uses of the articles; the position of adjectives; the principal uses of the infinitive and subjunctive moods; (*b*) the reading of about 150 pages of suitable texts, with attention to the accurate rendering and use of the commoner idioms; writing from dictation, and reproduction based on the reading; (*c*) the foundation of a good pronunciation through training in practical phonetics, through practice in writing and reading phonetic transcriptions, and by as much attention to oral work as possible.

a, *b*, and *c* taken together constitute 1 unit; recommended to all applicants for admission to the Colleges of Literature and of Science and to the School of Commerce and Administration. Either this unit or the first unit of German is recommended to applicants for admission to the College of Arts.

2. The second unit should comprise: (*a*) continued study of the elements of grammar, including review of the first year's work, more extensive consideration of the fundamentals of syntax with illustrative composition, and further study of all the more important irregular verbs; (*b*) the reading of about 250 pages of modern literary prose (at least one play); increased practice in oral and written reproduction of passages from the texts or read aloud by the instructor; (*c*) review of phonetic principles and correction of faulty pronunciation; writing from dictation; increased emphasis on oral work.

Suitable texts for the second unit are: *Colomba* (Mérimée); *Jeanne d'Arc* (Lamartine); *Le Roi des montagnes* (About); *Le Tour de la France* (Bruno); Daudet's stories; *Contes biographiques* (Foa); *Le Petit Robinson de Paris* (Foa); *La Poudre aux yeux* (Labiche et Martin); *Le Voyage de M. Perrichon* (Labiche et Martin); *La Cigale chez les fourmis* (Legouvé et Labiche); *Sans famille* (Malot); *La Tâche du petit Pierre* (Mairet); *Le Siège de Paris* (Sarcey); *La Mare au diable* (Sand); extracts from Michelet, stories of Erckmann-Chatrian, Verne, etc.

a, *b*, and *c* taken together constitute 1 unit. French 2 or a second unit of German is recommended to applicants for admission to the Colleges of Literature and of Science and to the School of Commerce and Administration.

3. At the completion of the third unit of French the student is expected to understand readily French spoken or read aloud, to summarize with fair correctness in writing what he reads or hears, to have made real progress in ability to speak the language, and to read without difficulty modern prose and verse.

To attain this he should be required (*a*) to complete the study of a good school grammar, with appropriate composition; (*b*) to read about 300 pages of good modern prose and verse (including at least one play); (*c*) to continue the exercises in writing from dictation, in summarizing and reproducing his reading in French, in the principles of pronunciation, and in increased oral practice.

Suitable texts for the third unit are: Augier and Sandeau's *Le Gendre de M. Poirier;* Balzac's *Eugénie Grandet;* Bazin's *Les Oberlé* and *Le Blé qui lève;* Daudet's *Tartarin de Tarascon;* France's *Le Livre de mon ami* and *Le Crime de Sylvestre Bonnard;* Hugo's *Hernani* and *Les Misérables;* Labiche's plays; Loti's *Pêcheur d'Islande;* Maupassant's short stories; Sandeau's *Mademoiselle de la Seiglière;* Scribe's plays; Vigny's *La Canne de Jonc;* selected poems and extracts from standard historical works.

a, *b*, and *c* taken together constitute 1 unit and may be presented as the third unit of modern language recommended to candidates for the Colleges of Literature and of Science and for the School of Commerce and Administration.

Students who enter with one unit of credit in French will begin with course 3, Elementary French (continued). Those entering with 2 units of credit will begin with course 4, Advanced French, or, with the approval of the Departmental Examiner, with course 5, Advanced French (continued). Those who receive 3 units will begin with course 6, Lecture et traduction françaises, or, with the approval of the Departmental Examiner, with course 11 or 12.

Those who receive credit for 4 units will begin with course 14, 15, or 16. However, any student found deficient in French composition will, on recommendation of the Department, be required to take course 12, which will not yield

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college credit unless it can be shown that the fourth unit in the secondary school included the equivalent of a Senior College course in French Literature.

Spanish

This unit should comprise: (*a*) Drill in pronunciation, including accentuation. (*b*) The elements of grammar, including all the regular and the more common irregular verbs, the forms and order of the personal pronouns, the uses and meaning of the common prepositions, adverbs, and conjunctions, the use of the personal accusative, and other elementary rules of syntax. (*c*) Study of not less than 175 pages of graded prose texts.

a, *b*, and *c* together constitute 1 unit.

German

1. The first unit should comprise: (*a*) Careful drill upon pronunciation. (*b*) Systematic drill upon the elements of grammar, including the inflection of the articles, the noun, the adjective, the pronoun, the verb, strong and weak; also upon the use of the common prepositions, the simpler use of the modal auxiliaries, and elementary rules of syntax and word-order. (*c*) The reading of from 80 to 100 pages of easy texts, chiefly modern prose, with especial stress laid upon acquiring a good working vocabulary. (*d*) Abundant practice (1) in oral and written reproduction of the text, (2) in the memorizing of colloquial and idiomatic phrases, and (3) in dictation. Thoroughness should be insisted upon rather than quantity. The following texts are recommended: (1) Guerber's *Märchen und Erzählungen I*, (2) Seligmann's *Altes und Neues*, (3) *Glück auf*, (4) the easiest of Grimm's *Märchen*, Gronow, *Jung Deutschland*, Allen's *Daheim*, first part.

The work indicated constitutes 1 unit; recommended to all applicants for admission to the Colleges of Literature and of Science and to the School of Commerce and Administration. Either this unit or the first unit of French is recommended to applicants for admission to the College of Arts.

2. The second unit calls for from 200 to 250 pages of moderately difficult reading, chiefly prose, with constant practice in oral and written reproduction of selected portions; also drill upon the more difficult chapters of grammar, such as the passive voice, use of cases with prepositions, verbs, adjectives, uses of tenses and modes (especially with the infinitive and subjunctive), likewise upon word-order and word-formation. Credit will not be granted in cases of great deficiency in composition, regardless of the quantity read. The following texts are among those recommended: (*a*) For reading, Baumbach's *Sommermärchen* and *Waldnovellen*, Leander's *Träumereien*, Zschokke's *Der zerbrochene Krug*, *Das Wirtshaus zu Cransac*, Storm's *Immensee*, Heyse's *L'Arrabiata;* (*b*) for composition, Vos's materials for German composition, Stern's *Geschichten vom Rhein. Geschichten von deutschen Städten*, Moscher's *Wilkommen in Deutschland*, Mezger und Müller, *Kreuz und Quer durch deutsche Lande.*

The work indicated constitutes 1 unit. German 2 or a second unit of French is recommended to applicants for admission to the Colleges of Literature and of Science and to the School of Commerce and Administration.

3. The third unit calls for: (*a*) The reading of from 400 to 500 pages of good modern prose stories and plays and the ability to use the language effectively as a means of oral and written expression. (*b*) Abundant practice in the writing of compositions. Among the texts recommended are Benedix' *Der Prozess*, *Die Hochzeitsreise*, Moser's *Der Bibliothekar*, Wilbrandt's *Jugendliebe*, Manley and Allen's *Four German Comedies*, Storm's *Pole Poppenspäler*, Riehl's *Fluch der Schönheit*, Sudermann's *Frau Sorge*, Freytag's *Die Journalisten*, Ernst's *Flachsmann als Erzieher.*

This unit is recommended to candidates for the Colleges of Literature and of Science and for the School of Commerce and Administration.

Students who receive credit for 1 unit of German on admission will begin with course 3, Intermediate German.

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Those who receive credit for 2 units will begin with course 4, Elementary German Composition, or, with the approval of the Departmental Examiner, with course 5, Modern Prose Readings.

Those who receive credit for 3 units will begin with course 6, or, with the approval of the Departmental Examiner, with course 11, Deutsche Aufsätze, the first of the Senior College courses.

Those who receive credit for 4 units will begin with a Senior College course in German Literature. However, any student found deficient in German composition will, on recommendation of the Department, be required to take German 11, which will not yield college credit unless it can be shown that the fourth unit in the secondary school included the equivalent of a Senior College major in German Literature.

English

A maximum of 4 units of entrance credit is given by the University for work in co-operating schools, and less than 3 units will not be accepted. To satisfy the requirements a student must have

A. *In Composition*

The ability to organize a composition properly and to write English—clear, grammatical, and to some extent effective; the ability, for example, to express, in written tests in the classroom, ideas drawn from any study which the student may be pursuing.

B. *In Literature*

1. Some definite knowledge of the history of English Literature from the time of Chaucer.

2. The ability to read intelligently good English poetry and prose. This includes an understanding of the fundamental principles of meter and some knowledge of the principles of structure of the novel, the essay, and the play.

It should be noted: (*a*) that although a total of not less than 360 hours of prepared work is required, a part of the work in English should be given in each of the four years of the preparatory school; (*b*) that the division of this work between literature and composition is left to the judgment of the individual preparatory school; (*c*) that no *specific* reading is required. For the convenience of teachers, however, both the "general list" and the "intensive list" of English classics are subjoined, and it is presumed that teachers will be governed largely by these lists; (*d*) that the University reserves the right to withdraw one or more units of credit from students whose work in English in the Junior Colleges is found to be seriously defective; (*e*) that candidates whose credentials show work in English beyond the requirements specified above may be exempted from Junior College course 1.

General List

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except as otherwise provided under group I.

Group I—Classics in Translation (two to be selected): The *Old Testament*, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the *Odyssey*, with the omission, if desired, of Books i, ii, iii, iv, v, xv, xvi, xvii; the *Iliad*, with the omission, if desired, of Books xi, xiii, xiv, xv, xvii, xxi; Virgil's *Aeneid*. The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.

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Group II—Shakspere: *Midsummer-Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tempest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; Julius Caesar; Macbeth; Hamlet* (if not chosen for intensive study).

Group III—Prose Fiction: Malory, *Morte d'Arthur* (about 100 pages); Bunyan, *Pilgrim's Progress*, Part I; Swift, *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe, *Robinson Crusoe*, Part I; Goldsmith, *Vicar of Wakefield;* Frances Burney (Madame d'Arblay), *Evelina;* Scott's novels, any one; Jane Austen's novels, any one; Maria Edgeworth, *Castle Rackrent* or *The Absentee;* Dickens' novels, any one; Thackeray's novels, any one; George Eliot's novels, any one; Mrs. Gaskell, *Cranford;* Kingsley, *Westward Ho!* or *Hereward the Wake;* Reade, *The Cloister and the Hearth;* Blackmore, *Lorna Doone;* Hughes, *Tom Brown's School Days;* Stevenson, any one; Cooper's novels, any one; Poe, *Selected Tales;* Hawthorne, any one; a collection of short stories by various standard writers.

Group IV—Essays, Biography, etc.: Addison and Steele, *The Sir Roger de Coverley Papers*, or selections from the *Tatler* and *Spectator* (about 200 pages); Boswell, selections from the *Life of Johnson* (about 200 pages); Franklin, *Autobiography;* Irving, selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith;* Southey, *Life of Nelson;* Lamb, selections from the *Essays of Elia* (about 100 pages); Lockhart, selections from the *Life of Scott* (about 200 pages); Thackeray, lectures on *Swift*, *Addison*, and *Steele* in the *English Humorists;* Macaulay, any one of the following essays: *Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederick the Great, Madame d'Arblay;* Trevelyan, selections from the *Life of Macaulay* (about 200 pages); Ruskin, *Sesame and Lilies*, or *Selections* (about 150 pages); Dana, *Two Years before the Mast;* Lincoln, *Selections*, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman, *The Oregon Trail;* Thoreau, *Walden;* Lowell, *Selected Essays* (about 150 pages); Holmes, *The Autocrat of the Breakfast Table;* Stevenson, *An Inland Voyage* and *Travels with a Donkey;* Huxley, *Autobiography* and selections from *Lay Sermons*, including the addresses on "Improving Natural Knowledge," "A Liberal Education," and "A Piece of Chalk"; a collection of *Essays* by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; a collection of *Letters* by various standard writers.

Group V—Poetry: Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B); Goldsmith, "The Traveller" and "The Deserted Village"; Pope, "The Rape of the Lock"; a collection of English and Scottish ballads, as, for example, "Robin Hood" ballads, "The Battle of Otterburn," "King Estmere," "Young Beichan," "Bewick and Grahame," "Sir Patrick Spens," and a selection from later ballads; Coleridge, "The Ancient Mariner," "Christabel," and "Kubla Khan"; Byron, "Childe Harold," Canto III or Canto IV, and "Prisoner of Chillon"; Scott, "The Lady of the Lake" or "Marmion"; Macaulay, "The Lays of Ancient Rome," "The Battle of Naseby," "The Armada," "Ivry"; Tennyson, "The Princess" or "Gareth and Lynette," "Lancelot and Elaine," and "Passing of Arthur"; Browning, "Cavalier Tunes," "The Lost Leader," "How They Brought the Good News from Ghent to Aix," "Home Thoughts from Abroad," "Home Thoughts from the Sea," "Incident of the French Camp," "Hervé Riel," "Pheidippides," "My Last Duchess," "Up at a Villa—Down in the City," "The Italian in England," "The Patriot," "De Gustibus—" "The Pied Piper," "Instans Tyrannus"; Arnold, "Sohrab and Rustum" and "The Forsaken Merman"; selections from American poetry with special attention to Poe, Lowell, Longfellow, and Whittier.

LIST FOR INTENSIVE STUDY

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the

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exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

Group I—Drama: Shakspere, *Julius Caesar* or *Macbeth* or *Hamlet*.

Group II—Poetry: Milton, *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas;* Tennyson, *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur;* the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

Group III—Oratory: Burke, *Speech on Conciliation with America;* Macaulay's two *Speeches on Copyright*, and Lincoln's *Speech at Cooper Union;* Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*.

Group IV—Essays: Carlyle, *Essay on Burns*, with a selection from Burns's *Poems;* Macaulay, *Life of Johnson;* Emerson, *Essay on Manners*.

Biblical History and Literature

1. *The History of the Hebrews from the Establishment of the Kingdom to the Return from the Exile.*—The following texts are recommended as indicating the character of the work required: Price, *Syllabus of Old Testament History*, 8th edition, §§ 50–80; Kent, *History of the Hebrew People*, I, §§ 73–169; II, §§ 1–212.

2. *The Life of Jesus.*—The requirement will be met by the study of Burton and Mathews, *Constructive Studies in the Life of Christ;* chaps. 2, 3, 20–27 may, if necessary, be passed over lightly or omitted; or Kent, *The Life and Teachings of Jesus*.

3. *Old Testament Literature.*—Gray, *A Critical Introduction to the Old Testament*, or Robertson, *The Books of the Old Testament*, will indicate the scope and character of the requirement.

4. *New Testament Literature.*—The requirement will be met by the study of Peake, *Critical Introduction to the New Testament*.

The unit consists of 1, 2, and either 3 or 4, at the option of the student. ½ or 1 unit.

Mathematics

The following statements of admission units in Mathematics are to be understood as specifying topics to be covered but not the order or relation in which these topics are to be studied. The University will accept work in which arithmetic, algebra, and geometry are treated simultaneously as phases of one subject —mathematics—and will give credit for any of the following admission units whose topics have all been satisfactorily covered, irrespective of the order in which this has been done, but a full year's work in mathematics will be required for each unit credited.

1*a*. *Algebra, first course*, covering literal notation; the four fundamental operations for rational algebraic expressions; factoring; determination of highest common factor and lowest common multiple by factoring; fractions (including simple complex fractions and the elements of ratio, proportion, and variation); linear equations, both numerical and literal, containing one or more unknowns; problems leading to linear equations, square root, and radicals as needed in numerical quadratic equations; numerical quadratic equations and problems leading to such equations.

The pupils should be required throughout the course to solve numerous problems which involve putting into equations data and conditions given in words. Many of these problems should be chosen from mensuration, from physics, and from practical life. The treatment should be elementary and concrete, with free use of graphic methods, but should result in definite comprehension and formulation of the algebraic relations involved. 1 unit.

1*b*. *Algebra, second course*, including a review of the work of the first course; radicals; exponents, including the fractional and the negative; extraction of the square root of numbers and of polynomials; imaginary and complex numbers; general solution of quadratic equations with one unknown, applied to literal

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as well as numerical coefficients; theory of the quadratic equation with one unknown, including the discriminant and the relation between the roots and the coefficients; simple cases of equations or systems of equations with one or more unknowns that can be solved by the methods of linear or quadratic equations; problems leading to quadratic equations; ratio, proportion, and variation; the binomial formula for positive integral exponents.

Algebra 1*b* should not be given earlier than the third school year. Work of the first course will not satisfy the requirements of the second course. If Algebra 1*b* is not offered for admission it becomes prerequisite for further work in mathematics in college.

All the general directions concerning the first course apply also to the second course, and in addition it may be said that the latter, while proceeding from the particular to the general, from the concrete to the abstract, and making considerable use of graphic methods and illustrations, especially in connection with the solution of single quadratic equations and of systems of equations and in the study of variation, should also give emphasis to the clear statement and formal demonstration of general results. ½ unit.

2. *Plane Geometry*, covering the usual theorems and constructions of good textbooks, including the general properties of rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle. 1 unit.

3. *Solid Geometry*, covering the usual theorems and constructions of good textbooks and including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, the regular solids, cylinders, cones, the sphere, and the spherical triangle. ½ unit.

Course 3 must be given in the third or fourth school year, and will not be given credit if taken in the same school year with course 2. In both 2 and 3 emphasis should be laid on the original demonstration of theorems and the original solution of problems. Applications should be made to geometric problems of practical life. Each of these courses should from time to time treat geometric problems by such algebraic methods as are familiar to the pupil. While accuracy of deductive reasoning and clearness of statement are of prime importance in geometry, the path from the particular to the general, from the concrete to the abstract, may be followed readily and with as much profit in this subject as in algebra. Concrete and inductive approach to abstract and deductive demonstration will be found valuable throughout the work.

4. *Advanced Arithmetic*, including accounting, commercial arithmetic, and allied topics. This must be given as an advanced course and should not precede courses 1*a* and 2. ½ unit.

5. *Plane Trigonometry*, including the solution of right and oblique triangles, the elementary relation of the trigonometric functions, the use of logarithms with many practical applications. ½ unit.

Astronomy

The requirements in Astronomy call for a good knowledge of the fundamental facts and principles of astronomy, including the more recent developments in the direction of spectroscopy and photography. ½ unit.

Physics

In order to obtain entrance credit in Physics the applicant must have completed a course in the elements of physics which is equivalent to not less than 150 hours of assigned work. Not less than one-third of the total assignment must have been devoted to laboratory work, two hours of laboratory work being counted as one hour of assignment.

A notebook containing the record of at least 35 laboratory experiments equivalent to those found in the "University of Chicago Recommended List of 50 Laboratory Experiments in Physics for Secondary Schools" is a part of the requirement. 1 unit.

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Chemistry

A course in elementary Chemistry as taught in the better class of high and preparatory schools, covering thirty-five to forty weeks, four to five days per week, one-third to one-half of the total assignment being devoted to laboratory work, will afford the necessary preparation. Two hours of laboratory work are reckoned as equivalent to one hour of assignment.

Remsen's, Torrey's, Hessler and Smith's, Newell's, Young's, Linebarger's, and Storer and Lindsay's *Elementary Chemistries* are suitable textbooks for preparation. Smith & Hall's *Teaching of Chemistry and Physics* (Longmans) discusses fully the material and methods approved by the Department. The standard of attainment must be to fit for admission to the special college course in general chemistry (2S) to which this unit is prerequisite. 1 unit.

Geology

1. *Elementary Physiography.*—The requirement for credit in this course includes: (*a*) a knowledge of the general facts concerning atmospheric movements, precipitation, temperature, etc., together with the principles governing them; (*b*) an elementary knowledge of the sea, including the general facts concerning its movements and their causes; and (*c*) a general knowledge of the earth's features and their mode of origin. ½ unit.

2. *Advanced Physiography.*—For this course more detailed knowledge will be required concerning the topics named above. In addition, the candidate should be familiar with the principles of climatology, the modern doctrines concerning the evolution and history of geographic features, and the distribution of life and its relations to surface conditions. ½ unit.

A unit's credit will be given those who present both 1 and 2. Thorough courses based on such texts as those of Salisbury (*Physiography, Briefer Course*), Gilbert and Brigham, Dryer (*Lessons in Physical Geography*), or Davis meet the requirement for 1 and 2.

3. *Geology.*—The requirement for admission embraces the elementary facts of petrographic, structural, dynamic, and historic geology. Familiarity with the modes of action of geologic agents and clear views of the progress and relations of geological events are essential. A thorough course based on such a book as Blackwelder & Barrows' *Elements of Geology* meets the requirement. ½ unit.

1 and 2 or 1 and 3 may be offered as the second unit of science recommended to candidates for the College of Science.

Geography

Commercial Geography.—For admission credit, a half-year's high-school work should be offered, based upon such texts as Brigham or Adams. This work should cover the general conditions of commerce, the chief commodities of commerce, and the leading commercial countries, with emphasis on the United States. ½ or 1 unit.

General Biology

The candidate applying for admission credit in General Biology will be required: (*a*) To submit to the Examiner a notebook consisting of drawings and descriptions of the animals and plants studied and statements of experiments performed (see statement concerning notebook under Physics, above). It is recommended that studies of at least fifteen principal forms be undertaken. These studies may be largely such as do not demand the use of a compound microscope. Attention should be given chiefly to those organisms that can be studied in a living condition. (*b*) To demonstrate in the college laboratory, under the supervision of college officers, that he possesses some power to observe accurately and intelligently. More stress will be laid on correct observation and on the careful record thereof than upon technical terms. (*c*) To answer in writing a few general questions on the physiology of plants and lower animals as well as questions on familiar forms, such as the perch, crayfish, grasshopper, moss, fern, some common type of flowering plant, etc. 1 unit.

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General Science

The work should consist of the study of such topics as: (1) the air and our relation to it; (2) water and its uses; (3) work and energy; (4) the earth's crust; (5) life on the earth.

Zoölogy

For admission credit in Zoölogy the general character of the work required will be the same as that indicated under General Biology; but in this case the number of animals studied should be increased when 1 unit is sought.

It is recommended that attention be equally divided between (*a*) natural history and physiology and (*b*) structure and classification. However, work with primary emphasis on any phase of zoölogy will be accepted. The submission of a notebook is required of all candidates. ½ or 1 unit.

Botany

If admission credit in Botany is sought, the preparatory work should consist of the study of types from all the chief divisions of the plant kingdom, including a training in the fundamental principles of morphology, physiology, ecology, and classification. ½ or 1 unit.

Note.—A maximum of two units of credit may be obtained in General Biology, Zoölogy, and Botany. Any one of these three subjects may be offered as the second unit of science recommended to candidates for the College of Science.

Physiology

The student is expected to be familiar with the facts given in Huxley's *Textbook of Physiology* (revised) or Martin's *Human Body* (briefer course). ½ unit.

Drawing and Shopwork

Admission credit not to exceed five units may be given in Drawing and Shopwork, provided the high school from which the candidate comes accepts five units in these subjects for its diploma. Each unit must represent not less than 250 hours of work. The University reserves the right to give an examination to test the applicant's standard of attainment in these subjects.

Freehand drawing.—The applicant must possess ability:

1. To make rapid sketches from objects which shall indicate the perspective appearance, the proportions, and the main characteristics of structure and form.
2. To make as records of observations such drawings as would be appropriate for illustrations to accompany high-school studies in the sciences.
3. To sketch free-hand, from specifications, any simple geometric figure.
4. To match with water colors any given color, and to carry a flat wash of color over a given area.

Mechanical drawing.—The applicant must possess ability:

1. From given mechanical drawings of a simple object to make a free-hand drawing of the appearance of the object in perspective.
2. From a simple geometric form or constructed object to make dimensioned free-hand working drawings which furnish data sufficient for a finished instrumental drawing or for the construction of the object.
3. From specifications to make a completed working drawing free-hand or instrumental or a sketch of the appearance of the object.

Shopwork.—Subject to the conditions mentioned above, the University will accept for admission the following subjects: (1) Carpentry and wood-turning; (2) Pattern-making, foundry-work, and forging; (3) Machine shopwork; and (4) Advanced machine shopwork.

Home Economics and Household Art

Each unit of admission credit must represent a course covering at least 35 weeks with not less than five hours per week, not more than half of the total assignment being devoted to laboratory work. Two hours of laboratory work are the equivalent of one hour of the specified time.

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OTHER SUBJECTS ACCEPTED FOR ADMISSION

Credit is also given for:
Agriculture, ½ or 1 unit.
Commercial Law, ½ unit.
Music, ½ or 1 unit.
Stenography, Typewriting, and Bookkeeping, 1, 2, 3, or 4 units.

B. ADMISSION WITH ADVANCED STANDING

Students are granted credit in advance of the admission requirements of the College to which they are admitted on the following conditions, with this proviso: *In case the character of a student's resident work in any subject is such as to create doubt as to the quality of that which preceded, the University explicitly reserves the right to revoke at any time any credit assigned on certificate, and to exact examination in the same.*

I. COLLEGE CREDIT FOR PREPARATORY WORK

Students who have completed fifteen units of preparatory work at a high grade, and are able advantageously to begin, while still in the high school, the accumulation of college credits, are encouraged to do so under the supervision of the College Dean, with whom it is very desirable that the student confer before entering on the advanced school work. Claims for advanced standing, based on an excess of preparatory work from a co-operating school, are presented to the University Examiner and may be allowed at the rate of one major for each half-unit of excess under the following provisions:

1. Credit is limited to courses which substantially comport with the program of the Junior Colleges of the University, pursued after the completion of college entrance requirements.

2. A student whose excess work has been pursued on the advice and under the supervision of the College Dean will receive full college credit (one major for each half-unit) if he maintains during the first two quarters of his work at the University an average standing of B− or better. If he maintains an average of C but less than B−, his excess high-school work shall receive one-half college credit only. If he falls below C, no college credit will be allowed.

3. Other claims if presented to the University Examiner during the first year of residence may, upon the recommendation of the principal and the approval of the departments concerned, be allowed under the same scholarship requirements as set forth in paragraph 2.

II. COLLEGE CREDIT FOR COLLEGE WORK

Claims for credit on account of college work done elsewhere are presented to the Examiner. In case a possible applicant merely wishes information, the Examiner will furnish an estimate, based upon the inquirer's own statement, when the necessary data (indicated upon a blank supplied by the University Examiner) are furnished. Estimates cannot be furnished unless this statement is clear and complete.

1. *Evidence required.*—Before actual admission the applicant must present an official certificate showing: (*a*) that he has been honorably dismissed; (*b*) what admission requirements were satisfied by him in the college from which he

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comes (for this purpose, in addition to the certificate, a catalogue of date concurrent with his admission may be needed from all but the best-known institutions); (*c*) a transcript of his college record, showing (1) by subjects the credit in the unit used for record and the time (weeks and hours per week) given to each, (2) the number of such units required for graduation, and (3) in general or specifically the grade of his scholarship; (*d*) the duration of his attendance.

2. *Proposed and actual credits.*—When the required data are furnished, the Examiner issues to the accepted applicant a *Course Book* showing the number and distribution of the proposed credits. This is presented to the Dean of the College in which he registers as evidence of admission and probable credit. Credit so listed is provisional and is formally confirmed by the Board of Admissions only in case the applicant during his first two quarters of residence at the University completes six majors of work with an average grade of C or better.

3. *Amount of credits.*—A student transferring from a standard college is given the same standing in the Colleges of the University, provided that his preparatory work was equivalent to the admission requirements of the University; otherwise advanced work will be carried back to cover the preparatory deficiencies at the rate of one major (five term-hours, three and one-third semester-hours) for each half-unit. The maximum credit allowed does not exceed normal credit obtainable in the same time at the University, i.e., three majors a quarter. If the Baccalaureate degree is sought, the total credit does not exceed 27 majors, three quarters of resident work being the minimum requirement for a degree.

NOTE.—No student entering the University with a Bachelor's degree which admits to the Graduate Schools may become a candidate for the Bachelor's degree of the University of Chicago.

4. *Presented at outset.*—Applicants specify at the outset all claims for credit. Except by special action of the Board of Admissions, *no claim not so presented will be considered after the formal determination of credit* unless the work on which it is based was done after the previous claim was filed.

5. *Private work.*—Students are not permitted to gain credit by examination for work done privately or by correspondence *while in residence* at the University unless written consent to the arrangement is obtained in advance from the Dean and the Departmental Examiner concerned.

6. *Examinations.*—Claims for work done in non-accredited institutions may be referred by the University Examiner to the appropriate Departmental Examiner. An official statement regarding the claim is issued to the applicant, who is thus authorized to present the case for adjudication to the Departmental Examiner named thereon. No credits are recorded unless certified on this official credential.

7. *Informal work.*—A mature student may, upon application to the University Examiner setting forth clearly the conditions under which a course of study corresponding to a course offered in the University was pursued under non-institutional direction, be granted permission to take for college credit at such time as it may be offered the regular quarterly examination conducted by the instructor offering the parallel course in the University. If the examination and such supplementary test as the instructor may require are passed with a grade of C or better, the credit will be recorded when reported by the instructor on the official blank supplied by the University Examiner. The amount of credit gained in such way shall not exceed 9 majors and shall be deducted

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from the total amount of non-resident work (18 majors) which may be counted toward a degree.

8. *Professional and technical work.*—It is not possible to assign credit for *experience* in the practice of a profession, but, with the approval of the dean of the corresponding school of the University, credit toward the Baccalaureate degree may be allowed for professional courses in Law, Medicine, Education, or Theology, and for courses in Engineering and in the Fine and Industrial Arts. Professional work not preceded by two or more years of college work will not be fully accepted toward a Baccalaureate degree until after the student has completed 18 majors in the Colleges of this University. (For conditions see "College Credit for Professional and Technical Work," p. 117.)

9. *Requirements for degrees.*—(See p. 117.)

C. ADMISSION AS UNCLASSIFIED STUDENTS

Persons at least twenty-one years of age, not seeking a degree, may be admitted through the office of the University Examiner to the courses of instruction offered in the University, as unclassified students, on the following conditions:

1. They shall present (*a*) credentials showing the completion of work equivalent to the admission requirements of the colleges, or (*b*) evidence of successful experience as a teacher or other valuable educative experience in practical life.

2. Each applicant shall present by certificate or examination evidence of training in English at least equivalent to the admission requirements of the colleges in that subject. This requirement may be waived in the case of foreign students of ability who have a sufficient knowledge of the English language to profit by the instruction offered.

3. They enter the University for the purpose of making a study of a definite subject or group of subjects for which adequate preparation has been received. In case of doubt as to the applicant's ability to pursue successfully the work desired, the approval of the instructor to whose courses admission is sought, or of an official representative of the department concerned, will be required.

4. They shall give satisfactory reason for not classifying and working for a degree.

5. They may not register for elementary courses only, i.e., courses intended primarily for first-year college students.

6. They are subject to the general regulations pertaining to other undergraduates, including attendance at chapel assembly and work in Physical Culture.

7. They are ineligible for public appearance.

D. RELATIONS OF THE UNIVERSITY WITH SECONDARY SCHOOLS

The University desires to promote such correlation of primary, secondary, and collegiate work that contribution may be made from every point of view to the study of educational problems of common interest, and that the utmost economy of educational effort may be attained. With this end in view, the University attempts to arrange for systematic and intimate relations with preparatory and other secondary schools. The types of relationship possible vary with the circumstances of institutions. In general, they may be classed under the head of *co-operation.*

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I. *The Accredited Schools* of the University of Chicago are those secondary schools whose graduates presenting credentials showing the completion of work equal in quantity and quality to the entrance requirements of the Colleges of the University will be admitted on certificate. Such schools are: (1) schools approved by the Board of Admissions of the University of Chicago after inspection by official representatives of the University; or (2) schools accredited by the North Central Association of Secondary Schools and Colleges; or (3) schools approved by the New England College Entrance Certificate Board; or (4) schools outside the territory of the associations above mentioned but approved by a leading state university whose standards of admission are substantially the same as those of the Colleges of the University of Chicago.

II. *The Co-operating Schools* of the University during any collegiate year shall include all schools which have been officially accepted into that relation by the Board of Admissions of the University of Chicago, such acceptance involving the following prerequisites:

1. The school must be a regularly accredited school according to the definition of section I.

2. The school (1) shall have been represented in the last annual conference of the University with its co-operating schools by one or more official delegates; or (2) shall have been represented in the Colleges or Graduate Schools of the University, during the two years preceding, by one or more representatives of its teaching staff; or (3) shall have sent to the University, during the two years preceding, at least one student from its graduating classes who has made a creditable record in the Colleges.

STATEMENT OF THE RELATIONS EXISTING BETWEEN THE UNIVERSITY OF CHICAGO AND CO-OPERATING SECONDARY SCHOOLS

1. Any graduate of a secondary school accredited by the University of Chicago may be admitted to the Colleges on presentation of proper credentials. See p. 97 of this *Circular*.

2. The officers of a co-operating school have the privilege of nominating one member of each graduating class for an honor scholarship at the University of Chicago. This does not mean that a scholarship will be granted to each nominee, since the number of available scholarships is always less than the number of candidates offered.

3. Each co-operating school may send to the annual contest in public speaking, occurring at the University of Chicago, two representatives from the Senior class. The successful contestants are awarded scholarships for one year in the University of Chicago.

4. Seniors in co-operating schools may in any number enter competitive honor examinations in certain subjects, the successful contestants being entitled to a scholarship in the University for one year. Inquiries concerning these scholarships, or any other matters involved in the relations of students admitted from co-operating schools, should be addressed to THE UNIVERSITY EXAMINER, The University of Chicago.

5. The principal, superintendent, and instructors in co-operating schools are members of the educational conference held annually at the University.

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6. Members of the teaching staff of co-operating schools who are re-engaged to teach the following year may pursue studies at the University of Chicago in the Summer Quarter at one-half the usual tuition rates.

7. For the purpose of promoting more complete co-operation, representatives of departments in co-operating schools are invited to visit the classrooms of the Junior Colleges. Those wishing to avail themselves of this invitation should notify the Dean of the Faculties and receive from his office a card of identification and introduction.

8. Relations between the University and secondary schools are under the special consideration of a standing committee, consisting of secondary-school officers and members of the University Faculties in equal numbers.

9. Each co-operating school furnishes annually, upon a blank supplied by the University, data concerning studies offered and the teaching staff, and such additional details regarding the school as are called for upon the blank.

In view of possible changes in the administration of a school, the University reserves the right to revoke the certificate of co-operation at any time upon due notice to the school.

The University of Chicago is prepared to encourage any adequately equipped secondary school to extend its work so as to cover the courses now offered in the Freshman and Sophomore years of college. Any high school which is prepared to undertake such work can come into contact with the Junior College officers of the University with a view to organizing advanced courses in close consultation with these officers. The present tendency in larger centers to develop public high schools into junior colleges requires the closest co-operation between such schools as are undertaking this kind of work and colleges. The University aims to develop this intimate co-operation with a view to promoting wherever possible the enlargement of the secondary-school curriculum.

Students who have completed 15 units of preparatory work at a high grade and are able advantageously to begin while still in the high school the accumulation of college credits are encouraged to do so. Such students will be required to maintain themselves at a high level after they begin courses in the University itself.

A circular explaining these matters in detail may be had on application to the Director of Co-operation with Secondary Schools.

THE WORK OF THE COLLEGES

The college work is of three kinds: (*a*) *Required in college* of all candidates for a given degree. (*b*) *Contingently required* in college, i.e., if not presented on admission. (*c*) *Elective:* Normally about 18 majors in A.B., Ph.B. (Lit.), and S.B. curricula. This amount may be reduced because the entrance units fail to conform to advised grouping (p. 98).

A. THE JUNIOR COLLEGES

I. GENERAL INFORMATION

1. *The Junior Colleges* include the first and second years of residence. After completing the requirements of the Junior Colleges and receiving the title of Associate, students pass for their third and fourth years to the Senior Colleges.

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2. *Chapel assembly.*—Students in the Junior Colleges meet in chapel assembly, men on Mondays and women on Tuesdays, at 10:15 A.M. Attendance is required.

3. *Honorable mention.*—On the completion of the work of the Junior Colleges *honorable mention* is made of all students whose records reach a standard fixed by the Faculty of the Junior Colleges on the system of marking adopted by the University.

II. REQUIREMENTS FOR THE ASSOCIATE'S TITLE

During his first two years the student is required to take:

1. Two majors of English (courses 1 and 3). English 1 must be taken in the first quarter of residence.

2. A "continuation group" of three consecutive majors taken in the first year, which, unless by special exception granted by the Dean, continues the work of either his principal or secondary admission group or of a subject in which he took one unit in the Senior year of high school. Careful consideration should be given to the choice of these courses.

3. Enough majors in each of the following "distribution groups" to make his total (high school + college) credit in each group four majors (=2 units):

I. Philosophy, History, and Social Science: Departments of Philosophy, Psychology, Education, Political Economy, Political Science, History, the History of Art, Sociology and Anthropology.

II. Language other than English (all 4 majors in one language): Departments of the Greek Language and Literature, the Latin Language and Literature, Romance Languages and Literatures, Germanic Languages and Literatures.

III. Mathematics: Department of Mathematics.

IV. Science: Departments of Astronomy and Astrophysics, Physics, Chemistry, Geology and Paleontology, Geography, Zoölogy, Anatomy, Physiology, Botany, Pathology, Hygiene and Bacteriology.

Limited Credit.—Certain Junior College courses are subject to the following limitation of credit: (*a*) Full credit is given only when these courses are taken among a student's first 18 majors, and the total number so taken may not exceed 9. (*b*) After a student has credit for 18 majors but less than 27, these courses will be credited at one-half major each; after he has credit for 27 majors they will not be credited at all, but any course may be taken, with the consent of the Dean, on payment of the fee, presumably as a fourth course.

The student receives the title of Associate and is admitted to the Senior Colleges when he has (1) completed 18 majors of work with at least 32 grade-points, including the fulfilment of the specified requirements as listed above; (2) fulfilled any extra requirements imposed on account either of excessive absence or defective work in English; (3) fulfilled the requirement in Physical Culture (6 quarters, 4 half-hours a week).

B. THE SENIOR COLLEGES

I. GENERAL INFORMATION

1. *Chapel assembly.*—Students in the Senior Colleges meet in chapel assembly Wednesdays at 10:15 A.M. Attendance is required.

2. *Scholarships.*—For scholarships and other aid to students, see p. 86.

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3. *Honors in the Senior Colleges.*—The Bachelor's degree is awarded with honors to each student who has grade-points according to the following scale:

Majors of credit received in the University	Average of grade-points per major taken
a) 36	3¾
b) last 27	4
c) last 18	4½
d) last 9	5

provided, in cases *b*), *c*), *d*), that the average in previous work is not lower than two grade-points per major taken.

Honors in departments are awarded to each student who has at graduation an average of 3¾ grade-points per major taken in the University, and credit for 6 majors of Senior College work in a department with an average therein of 4½ grade-points, or 9 such majors in related departments with the same average, provided that, in the judgment of the Dean, the 9 majors form a coherent group of studies.

Special honors are awarded to candidates who complete with distinction certain additional work prescribed by the department. This may be performed by the election of a fourth course during each of not more than five quarters, which shall not count toward a degree, nor require an additional fee.

Membership in the Phi Beta Kappa society is conferred for high scholarship upon Senior College students who have been in residence for at least six quarters, the grade demanded being considerably higher than that required for graduation with honors. Membership is determined by vote of the chapter, no initiative being taken by the student.

4. *College credit for professional and technical work.*—Credit toward the academic Bachelor's degree may be allowed for professional courses in Law, Education, Medicine, or Divinity, and for courses in Engineering and in the Fine and Industrial Arts, on the following conditions: (*a*) The amount of work which may be credited is an approved sequence of not less than 3 nor more than 9 (in Medicine, 18) majors, not all of which need be professional or specialized courses. (*b*) No course may be credited unless preceded by those fundamental subjects a knowledge of which is prerequisite to its proper development. (*c*) Not more than one-third of a sequence may be in subjects devoted to the development of technique.

Students who plan to pursue professional work in the Divinity School, the Law School, or the Medical Courses are enabled to shorten considerably the time required to secure the collegiate and the professional degrees under a plan which counts toward the Bachelor's degree certain work in the professional schools. Thus the last year of residence as an undergraduate may be used entirely for professional work in the Law or Divinity Schools, and the last two years for work in Medicine, provided that all college requirements for the Bachelor's degree have been satisfied. The details of these arrangements may be learned by consulting the special *Circulars of Information* of the Professional Schools.

II. REQUIREMENTS FOR A BACHELOR'S DEGREE

The Bachelor's degree is conferred when the student has completed 36 majors and obtained at least 72 grade-points. These 36 majors shall include one principal sequence of at least 9 coherent and progressive majors taken in

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one department or in a group of departments and one secondary sequence of at least 6 majors selected from a different department or group of departments. These sequences must have the approval of the Dean. The work in the Divinity School, the Law School, the courses in Medicine, or the College of Education may be counted in satisfaction of either sequence.

The degree of A.B. is conferred when the principal sequence consists of 11 majors of Latin and 9 majors of Greek (7 if all are taken in the University), including entrance work. A secondary sequence of 6 majors is also required.

The degree of Ph.B. is conferred when the principal sequence has been taken in the departments of Division I (see p. 91).

The degree of S.B. is conferred when the principal sequence has been taken in the departments of Division II (see p. 92).

Mathematics may at the option of the student be used as the principal department for the degree of either Ph.B. or S.B.

No courses counted in satisfaction of entrance requirements, or of the provisions of paragraphs 1 and 3 of the requirements for the Associate's title, shall count in making up the principal and secondary sequences, except in the case of the principal sequence required for the A.B. degree.

At least 12[1] of the 36 college majors must be courses designated as Senior College courses, or as graduate courses to which undergraduates are admitted.

Not more than 15 majors may be taken in college in one department.

Credit for ten quarters of work in Physical Culture is required for graduation.

III. COLLEGE REQUIREMENTS OF STUDENTS ADMITTED WITH ADVANCED STANDING

1. A student admitted with less credit than 18 majors must fulfil all the requirements for a degree except the "continuation group" (see pp. 97–98).

2. A student admitted with credit for 18 majors or more may choose between alternatives A and B, following:

A. He must fulfil the English and Language requirements and devote at least one-half of the remaining work needed for the Bachelor's degree to Senior College courses in accordance with the requirement of coherent and progressive sequences. This provision does not modify the general requirement that the student must complete (*a*) for the degree of A.B. 11 majors of Latin and 9 majors of Greek, including entrance work, (*b*) for the degree of Ph.B. a sequence of 9 majors in one of the departments of Division I (see p. 91), (*c*) for the degree of S.B. a sequence of 9 majors in one of the departments of Division II (see p. 92). On the other hand, in case these sequences have already been completed elsewhere, it does not require the student to select his coherent and progressive work from those same departments. Or—

B. If, during his first quarter of residence, he presents to the Dean of the Senior Colleges a rational scheme of courses to be followed up to graduation, he may, with the consent of the Board of the Senior Colleges, be excused from all courses specifically required in college. In order to secure a degree under this plan he must maintain an average of three grade-points per major taken.

3. In Physical Culture credit is allowed for advanced standing at the ratio of one quarter for 3 majors. Further requirements must be fulfilled in residence.

[1] Ten instead of 12 in case of a student who has credit for 4 units of preparatory Latin and 3 majors of college Latin; and 2 majors in like manner will be allowed from the 12 for a student who is credited with 3 units of preparatory Greek and 3 majors of college Greek.

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THE DEPARTMENT OF PHILOSOPHY

OFFICERS OF INSTRUCTION

JAMES HAYDEN TUFTS, PH.D., LL.D., Professor and Head of the Department of Philosophy.

GEORGE HERBERT MEAD, A.B., Professor of Philosophy.

ADDISON WEBSTER MOORE, PH.D., Professor of Philosophy.

EDWARD SCRIBNER AMES, PH.D., Assistant Professor of Philosophy.

CLARENCE EDWIN AYRES, PH.D., Instructor in Philosophy.

RALPH BARTON PERRY, PH.D., Professor of Philosophy, Harvard University (Summer, 1917).

HARTLEY BURR ALEXANDER, PH.D., Professor of Philosophy, University of Nebraska (Summer, 1917).

ROBERTS BISHOP OWEN, Instructor in Philosophy, Columbia University (Summer, 1917).

INSTRUCTORS IN OTHER DEPARTMENTS OFFERING INSTRUCTION IN THIS DEPARTMENT

PAUL SHOREY, PH.D., LL.D., LITT.D., Professor and Head of the Department of the Greek Language and Literature.

WALTER EUGENE CLARK, PH.D., Assistant Professor of Sanskrit and Indo-European Comparative Philology.

FELLOWS, 1917–18

EDITH ABBIE AYRES, A.M.

GROVER GULICK CLARK, A.B.

BERNARD FREYD, A.M.

MONT ROBERTSON GABBERT, A.M.

KIA-LOK YEN, A.B.

INTRODUCTORY

The primary aim of the Department is to give training in the methods of philosophic inquiry, reflection, and statement, and thus to equip competent teachers and investigators in the various branches. The Department aims to train specialists, but only upon the basis of an adequate general knowledge. Candidates for the Doctor's degree are required to select for special attention, and to make some particular investigation in, one of the four fields of Logic and Metaphysics, History of Philosophy, Aesthetics, Ethics; but this specialization presupposes sufficient knowledge of the other branches, and also of Psychology, to enable one to direct, and if necessary to undertake, teaching in them.

In the second place, it is believed that, in the existing state of life, Philosophy has much of value for those who do not intend to specialize in it. It is doubtful if there ever was a time when Philosophy lay so close to the various sciences, social, historical, and biological, on the one side, and to the requirements of practical life, on the other, as at present. The organization of courses in the Department is intended to recognize, for example, the relation of Logic to mathematics and to the social and natural sciences, of the History of Philosophy to literature and to political and economic history; of Ethics to the economic, social, and political

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sciences, as well as to preparation for the ministry, law, and journalism; and of Aesthetics to literature and art.

Students in other departments who are expecting to take Philosophy as a subsidiary subject for the Master's or Doctor's degree should see the Head of the Department at once after coming into University residence and arrange for this work in advance. Nine majors are usually required where Philosophy is the minor subject for the Doctor's degree. The equivalents of the elementary courses in Psychology, Ethics, and Logic are required as antecedents. Work will be assigned according as the principal work is in literary, scientific, or historical and social lines.

A student presenting himself for the Doctor's degree with Philosophy as the chief subject will be required to have the equivalents of courses 4–6 in the History of Philosophy, and at least three courses in Psychology; the latter may be either experimental or general, or a suitable combination of the two. He may further specialize, as already indicated, in the History of Philosophy, Ethics, Aesthetics, and Logic and Metaphysics.

In case the antecedent work in elementary Psychology, Logic, and Ethics, and the History of Philosophy does not come up to the proper standard, the candidate for an advanced degree will be required to take the undergraduate work in these subjects. As a rule, students coming from institutions where advanced work in Philosophy is not provided will find it advantageous to do some review work here.

COURSES AVAILABLE FOR SEQUENCES

1, Logic; 2, Elementary Ethics; 3, Introduction to Philosophy; 4, Greek Philosophy; 5, Modern Philosophy; 6, Nineteenth-Century Philosophy; 7, Aesthetics; 9, Greek Science and Philosophy; 40, Evolution of Morality; 44, Social and Political Philosophy; Psychology 1, 13, 36; Education 4, Political Economy 15, 16, History of Economics; Political Science 15, History of Political Theory; Sociology and Anthropology 3; Greek Language and Literature 29, 35, 37, Plato; Physics 25, History of Physical Science; Zoölogy 46, Organic Evolution.

PRINCIPAL SEQUENCES

a) Three introductory majors selected from the following courses: 1, 2, 3, 7, Psychology 1. The sequence may begin with any one of these except course 3, which must be preceded by one major.

b) Three majors in the History of Philosophy, from courses 4, 5, 6, 44.

c) Three majors selected from (1) courses in the Department open to Seniors, or (2) with the consent of the Department and the Dean from other departments which offer courses of cognate character, e.g., Advanced Psychology, History of Education, History of Economic Theory, Political Theory, Social Origins, Social Philosophy, Plato, Lucretius, History of Physical Science, Organic Evolution.

SECONDARY SEQUENCES

a) Three introductory majors selected from *a*) above.

b) Three majors to be selected with the consent of the Department and the Dean with reference to the student's principal sequence. The following are recommended:

Courses in the History of Philosophy, Evolution of Morality, or Aesthetics, when the principal sequence is in Psychology or Education.

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Courses in Social Psychology, Development of Modern Thought, Social and Political Philosophy, Evolution of Morality, Psychology of Religion, when the principal sequence is in Economics, Political Science, History, and Sociology.

Courses in the History of Philosophy and Aesthetics, when the principal sequence is in Greek or Latin.

Courses in Philosophy of Nature, Modern Philosophy, Logic, and Metaphysics, when the principal sequence is in Science or Mathematics.

COURSES OF INSTRUCTION

I. INTRODUCTORY COURSES

Students may begin work in the Department with 1 or 2 of these introductory courses, or with course 7 (p. 122). Elementary Psychology is recommended as a preliminary for course 2, and is a prerequisite for course 7. These courses may be taken by students in the Junior Colleges who have completed nine majors (for course 1) or twelve majors (for courses 2 and 3).

1. Logic.—Mj. Winter, DR. AYRES.

2. Elementary Ethics.—Mj. Summer, 8:15, First Term, ASSISTANT PROFESSOR AMES; Second Term, DR. OWEN; Autumn, sec. *a*, 8:15, DR. AYRES; sec. *b*, 10:45, PROFESSOR MEAD; Winter, sec. *a*, 8:15, ASSISTANT PROFESSOR AMES; sec. *b*, 9:15, DR. AYRES; Spring, sec. *a*, 8:15, DR. AYRES; sec. *b*, ———.

3. Introduction to Philosophy.—M. Summer, Second Term, PROFESSOR TUFTS; Mj. Winter, 9:15, ASSISTANT PROFESSOR AMES.

9. Elementary Social Psychology.—Mj. Autumn, DR. AYRES.

II. COURSES IN THE HISTORY OF PHILOSOPHY

4A. Introductory to the History of Philosophy.—M. Summer, First Term, PROFESSOR ALEXANDER.

4. History of Greek Philosophy.—Mj. Autumn, 10:45, PROFESSOR MOORE.

5. Modern Philosophy.—Mj. Winter, 10:45, PROFESSORS MOORE AND TUFTS.

5A. British Philosophy.—M. Summer, Second Term, DR. OWEN.

6. Movements of Thought in the Nineteenth Century.—M. Summer Second Term, PROFESSOR MOORE; Mj. Spring, 10:45, PROFESSOR AMES.

8. Contemporary Philosophy.—Mj. PROFESSOR MOORE. [Not given in 1917–18.]

8A. Present Philosophic Tendencies.—M. Summer, First Term, PROFESSOR PERRY.

19, 20, 21. Rationalism and Empiricism.—PROFESSORS MEAD AND TUFTS.

22, 23. The Philosophy of Kant.—2Mjs. Winter, 10:45, ASSISTANT PROFESSOR AMES; Spring, 10:45, PROFESSOR TUFTS. [Not given in 1917–18.]

Sanskrit 15. Hindu Philosophy.—Mj. Winter, 9:15, ASSISTANT PROFESSOR CLARK.

Romance 60. Main Ideas of the Eighteenth Century.—Mj. Summer, 9:15, ASSOCIATE PROFESSOR DARGAN.

Attention of students in the History of Philosophy is also called to the following courses in other departments which deal with the history of thought: Psychology 30–32, History of Psychology; Political Economy 10, 13, History of Political Economy; Sociology 72, Introduction to Sociology 74–76, Evolution of the Social Sciences in the Nineteenth Century; Comparative Religion 6, 11–17, History of the Philosophy of Religion; Greek 63–65, Plato, 66–68, Stoicism

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and Epicureanism in Ancient Literature and Life; Komance, B22, 23, Dante, 59, History of French Criticism; Physics, 25, History of Science (Physical).

III. COURSES IN LOGIC AND METAPHYSICS

NOTE.—See also courses 17, 19–23 above.

30. The Logic of Science.—Mj. PROFESSOR MEAD. [Not given in 1917–18.]

31. The Logic of the Social Sciences.—Mj. PROFESSOR MEAD. [Not given in 1917–18.]

32. The Logic of the Physical and Biological Sciences.—PROFESSOR MEAD. [Not given in 1917–18.]

33A, B. Seminar: Thought and Reality.—2Mjs. Autumn and Winter, Tu., 3:30–5:30, PROFESSOR MOORE. [Not given in 1917–18.]

34A, B, C. Seminar: Modern Logical Theory and Hegel's Phenomenology.—3Mjs. Autumn, Winter, and Spring, M., 3:30–5:30, PROFESSORS MOORE AND MEAD.

35. Seminar: Hegel's Life.—Mj. PROFESSOR MOORE. [Not given in 1917–18.]

39. The Philosophy of John Dewey.—M. Summer, Second Term, PROFESSOR TUFTS.

IV. COURSES IN ETHICS AND RELIGION

40. Evolution of Morality.—Mj. Autumn, 1918, PROFESSOR TUFTS.

41. Advanced Ethical Theory.—M. Summer, Second Term, PROFESSOR TUFTS.

42. Political Humanitarianism.—M. Summer, First Term, PROFESSOR ALEXANDER.

44. Social and Political Philosophy.—Mj. Spring, PROFESSOR TUFTS.

45. General Theory of Value.—M. Summer, First Term, PROFESSOR PERRY.

Advanced Social Psychology.—Mj. Winter, 11:45, PROFESSOR MEAD.

47. Seminar: Social Consciousness.—Mj. Spring, PROFESSOR MEAD. [Not given in 1917–18.]

48. Seminar: Ethical Theory.—Mj. Autumn, Wed., 3:30–5:30, PROFESSOR TUFTS.

60. Psychology of Religion.—Mj. Autumn, 8:15, ASSISTANT PROFESSOR AMES.

61. Metaphysics of Religion.—Mj. ASSISTANT PROFESSOR AMES. [Not given in 1917–18.]

62. Psychology of Religious Groups.—M. Summer, First Term, ASSISTANT PROFESSOR AMES.

63. The Psychology of Mysticism.—M. ASSISTANT PROFESSOR AMES. [Not given in 1917–18.]

Sociology and Anthropology 18. The Ethics of Sociology.—Mj. Spring, PROFESSOR SMALL.

Attention of students in Ethics and Social Philosophy is also invited to the following courses in other departments which deal with the laws of social conditions: Political Economy 4, 5, 41–46, Labor and Capital; Sociology, 5, The Family, 59, Industrials, 17, Conflict of Classes, 18, Ethics of Sociology, and Group III, Courses in Social Technology.

V. COURSES IN AESTHETICS

7. Aesthetics.—Mj. Spring, 8:15, PROFESSOR TUFTS.

Attention of students in Aesthetics is called to the following courses in other departments: History of Art 1–11, Oriental Greek, and Roman, Art, 24–40,

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Modern Painting and Sculpture; Greek 54, Lectures on the Literary Criticism and Rhetoric of the Ancients, 55, Seminar, Literary Criticism and Rhetoric of the Ancients; Modern Language Departments, courses in literary criticism and the drama; General Literature, courses in Comparative Literature and the Theory of Literature; also to the courses in Music, Drawing and Painting, and Plastic Art, in the College of Education.

VI. RESEARCH COURSES

52, 53, 54. Research Courses.—Instructors of the Department.

THE DEPARTMENT OF PSYCHOLOGY

OFFICERS OF INSTRUCTION

JAMES ROWLAND ANGELL, A.M., LITT.D., Professor and Head of the Department of Psychology; Director of the Psychological Laboratory; Dean of the Faculties of Arts, Literature, and Science.
HARVEY CARR, PH.D., Associate Professor of Experimental Psychology.
JOSEPH WANTON HAYES, PH.D., Assistant Professor of Psychology.
HARRY DEXTER KITSON, PH.D., Instructor in Psychology.

INSTRUCTORS IN OTHER DEPARTMENTS OFFERING COURSES IN THIS DEPARTMENT

CHARLES HUBBARD JUDD, PH.D., Professor and Head of the Department of Education; Director of the School of Education.
GEORGE HERBERT MEAD, A.B., Professor of Philosophy.
WILLIAM ISAAC THOMAS, PH.D., Professor of Sociology.
HERMAN CAMPBELL STEVENS, PH.D., M.D., Associate Professor of Education.
FRANK NUGENT FREEMAN, PH.D., Associate Professor of Educational Psychology.
EDWARD SCRIBNER AMES, PH.D., Assistant Professor of Philosophy.
HAROLD ORDWAY RUGG, PH.D., Instructor in Education.

FELLOW, 1917–18

MARGARET WOOSTER, A.M.

INTRODUCTORY

The courses in the Department are planned with three purposes in view: (1) to meet the needs of undergraduate students who desire an intelligent acquaintance with the general principles of Psychology and their bearing upon the larger social and scientific interests of modern life; (2) to afford adequate discipline for students who wish to employ Psychology as a basis for higher work in philosophy, education, the biological and social sciences; (3) to furnish a sound and symmetrical training for teachers, investigators, and specialists in the various branches of psychological science.

The fellowships at the disposal of the Department are intended for persons who give promise of distinction in research work.

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Candidates for the Doctor's degree in Psychology are advised in all cases to have the equivalents of at least three majors in the Department of Philosophy. When the principal work falls within the lines of Experimental Psychology or Comparative Psychology, the candidate will be expected to have the equivalent of the elementary courses in Neurology and either Physiology or Zoölogy.

Students in other departments who expect to make Psychology a secondary subject for any of the higher degrees should consult with the Head of the Department immediately after entering upon residence. The amount of work required in such cases depends upon the previous training of the candidates. From six to nine majors are commonly necessary.

The Psychological Laboratory occupies two buildings of its own; one at 5728 Ellis Avenue, and the other at 5704 Ellis Avenue. The former contains recitation rooms, libraries, and research-rooms for graduate students. The latter is devoted entirely to animal psychology.

The facilities for work in animal psychology are peculiarly good, and the equipment for such work, already among the best to be found anywhere, is being rapidly enlarged. The collection of general apparatus ranks among the most extensive in the country and is designed to afford opportunity for thorough training in accepted methods of research and to supply the necessary means for investigation. New apparatus required for research is promptly furnished. The results of all approved investigations appear either in the *Psychological Review* publications or in other journals of repute.

UNDERGRADUATE SEQUENCES

The following courses may be used in fulfilment of sequence requirements: 1, Introductory Psychology; 2, Demonstration Course; 3, Psychology of Business; 4, Social Psychology; 5, Psychology of Religion; 5A, Psychology of Religious Groups; 6, Test Methods; 7, Abnormal Psychology; 10, Comparative Psychology; 11, Advanced Systematic Psychology; 12, Social Origins (Sociology 3); 20, 21, 22, Experimental Psychology. From other departments, Anatomy 16, Neurology; Physiology 14, Physiology of Nervous System; Education 63, Genetic Psychology; 65, Psychology of High-School Subjects; Philosophy 2, Ethics; 5, History of Modern Philosophy; 6, Thought in the Nineteenth Century; 7, Aesthetics.

PRINCIPAL SEQUENCES[1]

a) Psychology 1.

b) Psychology 2. For this may be substituted, with the consent of the Dean, courses 20, 21, or 22, preceded by at least 3 majors in Psychology.

c) 4.

d) 7.

e) 5 or 12 or 3.

f) Education 63 or 65.

g) Anatomy 16.

h) 10.

i) Psychology 11.

[1] Course 1 must precede all other courses and should be taken during the second year of residence. The course in Systematic Psychology (11) should be taken during the final year of residence, otherwise the order of courses as announced, although advised, is not prescribed.

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SECONDARY SEQUENCES

a) For students whose long sequence is in Philosophy: courses 1, 2 (or with consent of Dean 20, 21, or 22, preceded by at least 3 majors in Psychology), 4, 5, 7, 11.

b) For students whose long sequence is in Education: courses 1, Psychology 2 (or with consent of Dean 20, 21, or 22, preceded by at least 3 majors in Psychology), 4, 7, 10, 11, or 12.

c) For students whose long sequence is in Historical or Social Science: courses 1, 2, 4, 7 (or 11), Philosophy 2, 5, or 6.

d) For students whose long sequence is in any one of the language departments, the same as the preceding, except that for Philosophy 5 is to be substituted Philosophy 7.

e) For students whose long sequence is in science, and especially in Biology, courses 1, 2 (or with the consent of Dean 20, 21, or 22, preceded by at least 3 majors in Psychology), 6, 7, 10, Anatomy 16.

COURSES OF INSTRUCTION

The courses are divided into four groups: A, those for undergraduates exclusively; B, those for undergraduates to which graduates may be admitted; C, those for graduates to which undergraduates properly prepared may be admitted; and D, those for graduate students alone.

DIVISION A

1. Introductory Psychology.—Mj. every Quarter. Summer, 9:00, ASSOCIATE PROFESSOR CARR, ASSISTANT PROFESSOR HAYES, AND DR. KITSON. Autumn, Winter, Spring.

2. Outlines of Experimental Psychology (demonstration course).—Mj. Winter, ASSISTANT PROFESSOR HAYES.

3. Psychology of Business Procedure.—Mj. Spring, DR. KITSON.

Education 62. Introduction to the Psychology of Elementary-School Subjects (1).—M. Summer, First Term; repeated M. Second Term, PROFESSOR JUDD; Mj. Autumn, ASSOCIATE PROFESSOR FREEMAN.

DIVISION B

4. Social Psychology.—Mj. Winter, PROFESSOR MEAD.

5. Psychology of Religion.—Mj. Autumn, ASSISTANT PROFESSOR AMES.

5A. Psychology of Religious Groups.—M. Summer, First Term, ASSISTANT PROFESSOR AMES.

6. Methods of Psychological Testing.—Mj. Autumn, ASSISTANT PROFESSOR HAYES.

7. Abnormal Psychology.—Mj. Spring, ASSISTANT PROFESSOR HAYES.

10. Experimental Comparative Psychology.—Mj. Spring, ASSOCIATE PROFESSOR CARR.

10A. Comparative Psychology.—M. Summer, Second Term, ASSOCIATE PROFESSOR CARR.

11. Advanced Systematic Psychology.—Mj. Spring, PROFESSOR ANGELL.

12. Social Origins.—Mj. Autumn, PROFESSOR THOMAS. See Sociology 3.

Education 63. Genetic Psychology (2).—Mj. Winter, ASSOCIATE PROFESSOR FREEMAN.

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DIVISION C

20, 21, 22. Experimental Psychology.—3Mjs. Autumn, Winter, and Spring. Lectures, 1:30–2:30; laboratory work, 1:30–3:30, ASSOCIATE PROFESSOR CARR.

23. Methods of Mental Measurement.—Mj. Winter, 8:15, ASSOCIATE PROFESSOR CARR.

24. Visual Space Perception (advanced course).—Mj. Spring, ASSOCIATE PROFESSOR CARR.

27. Social Attitudes.—Mj. Autumn. PROFESSOR THOMAS.

28. Psychology of Divergent Types.—Mj. Spring, PROFESSOR THOMAS.

Education 65. Psychology of High-School Subjects (3).—M. Summer, First Term; Mj. Winter, PROFESSOR JUDD.

DIVISION D

30. History of British Psychology.—Mj. PROFESSOR ANGELL.

31. History of German Psychology.—Mj. PROFESSOR ANGELL.

32. American and French Psychologists.—Mj. PROFESSOR ANGELL.

33. Advanced Psychology.—Mj. Autumn, 9:15, PROFESSOR ANGELL. [Not given in 1917–18.]

34. Psychology of Volition.—Mj. Winter, 9:15, PROFESSOR ANGELL. [Not given in 1917–18.]

35. Psychology of Feeling.—Mj. Spring, 9:15, PROFESSOR ANGELL. [Not given in 1917–18.]

39. Journal Club.—Autumn, Winter, and Spring.

40, 41, 42. Experimental Psychology (advanced course).—3Mjs. Autumn, Winter, and Spring, PROFESSOR ANGELL AND ASSOCIATE PROFESSOR CARR.

45. Seminar.—PROFESSOR ANGELL.

Education 64. Psychology of Elementary Education.—Mj. Autumn, PROFESSOR JUDD.

Education 67. Advanced Educational Psychology.—Mj. PROFESSOR JUDD. [Not given in 1917–18.]

Education 71. Introductory Laboratory Course in Experimental Education.—Mj. Summer (or M. First Term), ASSOCIATE PROFESSOR FREEMAN, ASSISTANT PROFESSOR CAMERON, PROFESSOR SCHMIDT; Mj. Autumn, ASSOCIATE PROFESSOR FREEMAN.

Education 72. Statistical Methods as Applied to Educational Problems.—Mj. Summer (or M. First Term); Mj. Autumn, ASSISTANT PROFESSOR RUGG.

Education 73. Psychopathic, Retarded, and Mentally Deficient Children.—For graduate students. DM. Summer, First Term; Mj. Autumn, Winter, ASSOCIATE PROFESSOR STEVENS.

Education 74. Psychopathic, Retarded, and Mentally Deficient Children (continued).—For graduate students. Mj. Winter, ASSOCIATE PROFESSOR STEVENS.

Education 76. Advanced Psychology of Learning and Mental Tests.—Mj. Summer (or M. either Term); Mj. Winter, ASSOCIATE PROFESSOR FREEMAN.

Education 78. Elementary-School Tests (3).—M. Summer, First Term; repeated M. Second Term, ASSISTANT PROFESSOR GRAY.

Education 80B. Psychology of Reading.—For graduate students. M. Summer, First Term; repeated M. Second Term, DR. C. T. GRAY.

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THE DEPARTMENT OF EDUCATION

OFFICERS OF INSTRUCTION

CHARLES HUBBARD JUDD, PH.D., LL.D., Director of the School of Education; Professor and Head of the Department of Education.

WILLIAM SCOTT GRAY, PH.D., Dean of the College of Education; Assistant Professor of Education.

FRANKLIN WINSLOW JOHNSON, A.M., Principal of the University High School; Lecturer in Secondary Education.

NATHANIEL BUTLER, A.M., LL.D., Professor of Education.

SAMUEL CHESTER PARKER, A.M., Professor of Education.

WALTER SARGENT, Professor of Art Education.

MARCUS WILSON JERNEGAN, PH.D., Associate Professor of the History of Education.

FRANK MITCHELL LEAVITT, Associate Professor of Industrial Education and Supervisor of Industrial Education.

HERMAN CAMPBELL STEVENS, PH.D., M.D., Associate Professor of Education.

JOHN FRANKLIN BOBBITT, PH.D., Associate Professor of School Administration.

FRANK NUGENT FREEMAN, PH.D., Associate Professor of Educational Psychology.

HAROLD ORDWAY RUGG, PH.D., Assistant Professor of Education.

CLARENCE LEON CLARKE, PH.B., Instructor in Education.

JOSEPH FRANCIS GONNELLY, PH.D., Assistant in Education.

SHATTUCK O. HARTWELL, A.B., Superintendent of Schools, Muskegon, Mich.; Professor of Education (Summer, 1917).

JOSEPH L. HENDERSON, PH.B., Director of the Department of School Visitation, University of Texas; Professor of Secondary Education (Summer, 1917).

EDWARD ALANSON MILLER, A.M., Professor of Education, Oberlin College; Professor of Education (Summer, 1917).

GEORGE LUCAS ROBERTS, A.M., Professor of Education, Purdue University; Professor of Education (Summer, 1917).

WILLIAM ANTON SCHMIDT, PH.D., Professor of Education, University of Oklahoma; Professor of Educational Administration (Summer, 1917).

JOHN ELBERT STOUT, PH.M., Professor of Education, Cornell College; Professor of Education (Summer, 1917).

EDWARD HERBERT CAMERON, PH.D., Assistant Professor of Education, Yale University; Assistant Professor of Education (Summer, 1917).

CLARENCE TRUMAN GRAY, PH.D., Instructor in Education, University of Texas; Instructor in Education (Summer, 1917).

FELLOWS, 1917–18

ONIAS BARBER BALDWIN, A.M.
LLOYD E. BLAUCH, A.B.
LORIMER V. CAVINS, A.B.
WILLIAM LEEDS RICHARDSON, A.B.
CHARLES CHAMBERLAIN ROOT, A.B.
JAMES BLAINE SHOUSE, A.M.
PAUL VINING WEST, A.M.

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INTRODUCTORY

The courses in this Department are designed to meet the needs of three types of students:

First, students who are preparing to teach educational courses in normal schools, colleges, and universities may here specialize and carry on research work leading to the Doctor's degree.

Secondly, students who are preparing to do practical work along the lines of school supervision and administration may secure through these courses training in the methods of scientific investigation of educational problems which will prepare them to take up their practical situations and formulate their reports in the light of the best current practices. Administrative officers are thus trained to organize schools in a scientific way.

Thirdly, students who have specialized in other departments, such as history, mathematics, science, etc., and are intending to use training in these special departments for purposes of instruction in secondary schools or higher institutions, may secure in general courses in education that acquaintance with school organization and school problems which will aid them in formulating the material in their specialties.

The Graduate Department of Education is equipped with laboratory facilities of a special type to carry on investigations in experimental education and in psychopathology. For the latter purpose a special laboratory has been set aside and connections have been established with various organizations in the city which supply to this laboratory enough clinical material to give students practical experience.

In addition to these special laboratories the Department of Education is in a position to utilize the laboratory schools of the School of Education for purposes of tests, experimentation, and observation. The laboratory schools include a kindergarten, primary school, and secondary school of sufficient size and variety of courses and organization to give opportunity for complete observation of schoolwork. In addition the undergraduate department is conducted in such a way as to contribute to the training of students who are to teach either in normal schools or in college departments of education. The undergraduate department thus constitutes from the point of view of the graduate department an additional laboratory for educational research.

The records of the University are also accessible at all times to students who are carrying on investigations with regard to scholarship in different institutions.

Students may not enter upon graduate work in Education unless they have completed introductory courses of an undergraduate grade. Three such introductory courses will be required of all candidates for advanced degrees in this Department. If these courses have not been taken in the undergraduate course of the candidate, additional majors to cover the deficiency will be required for the degree.

Fellowships are available in the Department, but in general these can be awarded only to candidates who have completed one year of graduate work. Scholarships are available for candidates of high grade who are candidates for the Master's degree.

The advanced degrees conferred in the Department are the Master's degree and degree of Doctor of Philosophy. The theses required for these degrees may

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be historical, statistical, or experimental, but in general a requirement will be imposed for both Master's and Doctor's degrees that these theses represent ability to carry on independent research work. Theses must be submitted to the Head of the Department at least six weeks before the date of the Convocation at which the degree is conferred. Candidates for the Master's degree should secure from the office of the Department mimeographed directions concerning the preparation of Masters' essays in this Department.

For a complete statement concerning the opportunities afforded by the School of Education the reader should secure the annual *Announcement* of that division of the University, a copy of which will be sent upon request.

The number given in parentheses following the name of the course indicates the degree of difficulty or advancement of the course. (1) indicates an elementary introductory course which should be taken, as a rule, by undergraduate students with less than 18 majors of college credit; (2) indicates an intermediate course which may be taken by undergraduate students with more than 18 majors of college credit; (3) indicates a course which may be taken by advanced undergraduate and graduate students; (4) indicates an advanced or specialized course which is open to graduate students only.

COURSES OF INSTRUCTION

1. Introduction to Education (1).—Mj. Autumn, sec. *a*, sec. *b*, sec. *c*, PROFESSOR JUDD, ASSISTANT PROFESSOR RUGG, MR. CLARKE; Winter, sec. *a*, sec. *b*, PROFESSOR JUDD, MR. CLARKE; Spring, sec. *a*, sec. *b*, MR. CLARKE.

HISTORY OF EDUCATION

4. History of Modern Education (2).—Mj. Autumn, ———.

4A. History of Modern Elementary Education (2).—M. Summer, Second Term, MR. GONNELLY.

4B. History of Modern Secondary Education (2).—M. Summer, First Term, MR. GONNELLY.

10. An Introduction to the History of American Education (3).—M. Summer, Second Term, MR. GONNELLY; Mj. Winter, ———.

15. History of American Education (4).—Mj. Summer (or M. either Term), ASSOCIATE PROFESSOR JERNEGAN.

17. History of American Education, Part I (4).—Mj. Winter, ASSOCIATE PROFESSOR JERNEGAN.

18. History of American Education, Part II (4).—Mj. Spring, ASSOCIATE PROFESSOR JERNEGAN.

SOCIAL AND ADMINISTRATIVE ASPECTS

30. Educational Administration: Introductory Survey (3).—M. Summer, Second Term; Mj. Winter, Spring, ASSISTANT PROFESSOR RUGG.

31A. School Administration: General Survey (3).—Sec. *a*, M. Summer, First Term; repeated M. Second Term, PROFESSOR STOUT; sec. *b*, M. Summer, First Term, PROFESSOR MILLER.

32. Educational Administration: Public-School Costs and Business Management (4).—M. Summer, First Term; Mj. Spring, ASSISTANT PROFESSOR RUGG.

34. Educational Administration: Instructional Aspects (4).—Mj. Spring, ASSOCIATE PROFESSOR BOBBITT.

35. Educational Administration: Supervisory and General Aspects (4).—Mj. Winter, ASSOCIATE PROFESSOR BOBBITT.

36. High-School Administration (3).—Mj. Autumn, PRINCIPAL JOHNSON.

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36A. Administration of Secondary Education (3).—M. Summer, First Term, PROFESSOR HENDERSON.

37. Principles of Secondary Education (3).—M. Summer, First Term, PROFESSOR MILLER; Mj. Spring, PROFESSOR BUTLER.

37A. The School and the Community (3).—M. Summer, Second Term, PROFESSOR BUTLER.

38. Junior High Schools (4).—M. Summer, First Term, PROFESSOR HENDERSON; repeated M. Second Term, PROFESSOR HARTWELL; Mj. Spring, PROFESSOR JUDD.

40A. Newer Types of Elementary-School Organization (3).—M. Summer, Second Term, PROFESSOR HARTWELL.

41. Foreign School Systems (3).—M. Summer, Second Term; Mj. Autumn, PROFESSOR BUTLER.

45. Organization of Courses for Teachers (4).—M. Summer, Second Term; Mj. Spring, PROFESSOR JUDD.

46. Curriculum (3).—Mj. Summer (or M. either Term); Mj. Winter, ASSOCIATE PROFESSOR BOBBITT.

47. Curriculum (continued) **(4).**—Mj. Spring, ASSOCIATE PROFESSOR BOBBITT.

52. School Surveys (4).—Mj. Summer (or M. either Term), ASSOCIATE PROFESSOR BOBBITT.

55A. Rural Education (3).—M. Summer, First Term, PROFESSOR ROBERTS.

55B. The Rural School (3).—M. Summer, First Term, PROFESSOR ROBERTS.

56. General Principles of Fine and Industrial Art (3).—Mj. Summer (or M. either Term); Mj. Autumn, Winter, PROFESSOR SARGENT.

57. Industrial Education in Public Schools (3).—M. Summer, Second Term; Mj. Winter, ASSOCIATE PROFESSOR LEAVITT.

58. Prevocational Education (3).—M. Summer, First Term; Mj. Winter, ASSOCIATE PROFESSOR LEAVITT.

59. Vocational Guidance (3).—M. Summer, First Term; repeated M. Second Term; Mj. Spring, ASSOCIATE PROFESSOR LEAVITT.

EDUCATIONAL PSYCHOLOGY AND EXPERIMENTAL EDUCATION

62. Introduction to the Psychology of Elementary-School Subjects (1).—M. Summer, First Term; repeated M. Second Term, PROFESSOR JUDD; Mj. Autumn, ASSOCIATE PROFESSOR FREEMAN.

63. Genetic Psychology (2).—Mj. Winter, ASSOCIATE PROFESSOR FREEMAN.

64. Psychology of Elementary Education (4).—Mj. Autumn, PROFESSOR JUDD.

65. Psychology of High-School Subjects (3).—M. Summer, First Term; Mj. Winter, PROFESSOR JUDD.

67. Advanced Educational Psychology (4).—Mj. PROFESSOR JUDD. [Not given in 1917–18.]

71. Introductory Laboratory Course in Experimental Education (4).—Mj. Summer (or M. First Term), sec. *a*, sec. *b*, sec. *c*, ASSOCIATE PROFESSOR FREEMAN, ASSISTANT PROFESSOR CAMERON, PROFESSOR SCHMIDT; Mj. Autumn, ASSOCIATE PROFESSOR FREEMAN.

72. Statistical Methods as Applied to Educational Problems (4).—Mj. Summer (or M. First Term), sec. *a*, sec. *b*; Mj. Autumn, ASSISTANT PROFESSOR RUGG.

73. Psychopathic, Retarded, and Mentally Deficient Children (4).—DM. Summer, First Term; Mj. Autumn, Winter, ASSOCIATE PROFESSOR STEVENS.

74. Psychopathic, Retarded, and Mentally Deficient Children (continued) **(4).**—Mj. Winter, ASSOCIATE PROFESSOR STEVENS.

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76. Advanced Psychology of Learning and Mental Tests (4).—Mj. Summer (or M. either Term); Mj. Winter, ASSOCIATE PROFESSOR FREEMAN.

77. Educational Measurement (4).—Mj. Winter, ASSISTANT PROFESSOR RUGG.

78. Elementary-School Tests (3).—M. Summer, First Term; repeated M. Second Term; Mj. Spring, ASSISTANT PROFESSOR GRAY.

80. Investigations in Reading (3).—Mj. Winter, ASSISTANT PROFESSOR GRAY.

80B. Psychology of Reading (4).—M. Summer, First Term; repeated M. Second Term, DR. C. T. GRAY.

83. Research Problems in Education (4).—M. Summer, First Term; Mj. Autumn, Winter, and Spring, PROFESSOR JUDD.

EDUCATIONAL METHODS

86. Methods of Teaching in Elementary Schools (2).—M. Summer, First Term; repeated M. Second Term, PROFESSOR PARKER, DR. C. T. GRAY; Mj. Autumn, PROFESSOR PARKER; Winter, ASSISTANT PROFESSOR GRAY; Spring, PROFESSOR PARKER.

87. Methods of Teaching in High Schools (2).—Mj. Summer, PROFESSOR STOUT; Autumn, sec. *a*, sec. *b*, sec. *c*, ASSISTANT PROFESSOR GRAY, MR. CLARKE; Winter, sec. *a*, sec. *b*, MR. CLARKE, ———; Spring, sec. *a*, sec. *b*, MR. CLARKE, MR. ———.

88. High-School Teaching and Supervision (4).—M. Summer, First Term; repeated M. Second Term, PROFESSOR PARKER, PROFESSOR SCHMIDT, MR. GONNELLY; Mj. Spring, PROFESSOR PARKER.

89A. The Literature of Education Methods (4).—M. Summer, Second Term, PROFESSOR PARKER.

91. Development of Modern Methods of Teaching in Elementary Schools (4).—Mj. Autumn, PROFESSOR PARKER.

92. Criticism and Supervision of Instruction (3).—M. Summer, First Term, for elementary-school teachers; M. Second Term, for normal- and city- training-school teachers; Mj. Autumn, for normal-school supervisors; Mj. Spring, for public-school supervisors and superintendents, ASSISTANT PROFESSOR GRAY.

95. Practice Teaching in the Intermediate and Grammar Grades (2).—Mj. Autumn, Winter, and Spring.

96. Practice Supervision in the Elementary School (2).—Mj. Autumn, Winter, and Spring.

97. Practice Teaching in the High School (2).—Mj. Autumn, Winter, and Spring.

THE DEPARTMENT OF POLITICAL ECONOMY

OFFICERS OF INSTRUCTION

JAMES LAURENCE LAUGHLIN, PH.D., Professor Emeritus of Political Economy.

LEON CARROLL MARSHALL, A.M., Professor of Political Economy; Dean of the School of Commerce and Administration.

CHESTER WHITNEY WRIGHT, PH.D., Associate Professor of Political Economy.

JAMES ALFRED FIELD, A.B., Associate Professor of Political Economy.

JOHN MAURICE CLARK, PH.D., Associate Professor of Political Economy.

HARRY ALVIN MILLIS, PH.D., Associate Professor of Political Economy.

HAROLD GLENN MOULTON, PH.D., Assistant Professor of Political Economy.

CARSON SAMUEL DUNCAN, PH.D., Assistant Professor of Commercial Organization in the School of Commerce and Administration.

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NATHANIEL WARING BARNES, A.M., Assistant Professor of Commercial Organization in the School of Commerce and Administration.

JACOB VINER, A.M., Instructor in Political Economy.

FRANK HYNEMAN KNIGHT, PH.D., Instructor in Political Economy.

STUART MCCUNE HAMILTON, A.B., Instructor in Political Economy.

WILLIAM HOMER SPENCER, J.D., Instructor in Business Law in the School of Commerce and Administration.

GLENN GAYWAINE MUNN, M.A., Instructor in Accounting in the School of Commerce and Administration.

LEVERETT SAMUEL LYON, PH.B., Instructor in Commercial Organization in the School of Commerce and Administration.

LEONA MARGARET POWELL, A.B., Assistant in Political Economy.

EDITH SCOTT GRAY, A.M., Assistant in Political Economy.

LEWIS CARLYLE SORRELL, A.B., Assistant in Political Economy.

GEORGE ENFIELD FRAZER, A.B., LL.B., C.P.A., Professorial Lecturer in Business Organization in the School of Commerce and Administration.

WALTON HALE HAMILTON, PH.D., Professor of Economics, Amherst College (Summer, 1917).

FREDERICK SHIPP DEIBLER, PH.D., Professor of Economics, Northwestern University (Summer, 1917).

HARRY GUNNISON BROWN, PH.D., Associate Professor of Economics, University of Missouri (Summer, 1917).

ALBERT CLAIRE HODGE, PH.B., Instructor in Economics, University of Minnesota (Summer, 1917).

FELLOWS, 1917–18

MORRIS ALBERT COPELAND, A.B. NATHAN FINE, PH.B.
JENS PETER JENSEN, A.B.

INTRODUCTORY

The courses of instruction offered by the Department comprise:

I. Introductory or general-survey courses (courses 0, 01, 1).

II. Intermediate courses:
   a) Devoted to a more detailed analysis of certain significant aspects of industrial society (courses 2, 3, 4, 5, 7, 8).
   b) Providing, for use in later analysis, training in statistical method and accounting (courses 9, 10).

III. Advanced courses, of graduate grade, which carry still farther the analyses of the intermediate courses.

IV. Research and seminar courses.

Candidates for the Master's degree should file with the Departmental Examiner, on or before the opening of their first quarter of residence, a complete statement of the work they intend to offer. The Examiner will submit this schedule to the Department for approval.

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Candidates for the degree of Ph.D., taking Political Economy as a principal subject, should offer as a foundation the subjects covered by courses 9, 14, 15, 16, and 17; and the remaining subjects, together with the research work, should be early determined upon in consultation with the Department. The major work demands two-thirds of the time usually required for the doctorate. The work required of those taking Political Economy as a secondary subject should include a study of Economic Theory.

Candidates for the higher degrees may not offer the elementary courses for graduate credit. Intermediate courses confer half-credit for purposes of higher degrees. In the first quarter of his candidacy for either of the higher degrees, in case Political Economy is chosen as the principal subject, the student must furnish satisfactory evidence of preparation in allied subjects.

Undergraduate students wishing to take either their principal or their secondary sequence in Political Economy may arrange their work according to the following sequences:

PRINCIPAL SEQUENCES

a) Standard sequence: courses 0 and 1, if not taken in the social science sequence; not fewer than three "intermediate courses" (2, 3, 4, 5, 7, 8, 9, 10); not fewer than three advanced courses, i.e., such as require one or more of the preceding. The remainder of the nine majors may be chosen in consultation with the Dean and departmental representative. Advanced courses from other departments may be used.

b) For students intending to do graduate work in the Department: courses 0 and 1, if not taken in the social science sequence; not fewer than five "intermediate courses" (see *a* above). The rest of the nine majors may be chosen in consultation with the Dean and departmental representative. Advanced courses from other departments may be used.

SECONDARY SEQUENCES

a) The Department advises the social science sequence[1] for students who wish to take a principal sequence in Political Economy.

b) If the social science sequence is not chosen, the following is recommended: course 1; not fewer than two intermediate courses (see Principal Sequence *a* above); not fewer than two advanced courses, selected by the Dean and departmental representative in conference with the student. The total must reach six majors.

COURSES OF INSTRUCTION

I. INTRODUCTORY COURSES

0. Principles of Economics I: Industrial Society.—Mj. Summer, Autumn, Winter, and Spring.

1. Principles of Economics II: Value and Distribution in Industrial Society.—Mj. Summer, Autumn, Winter, and Spring.

01. Business Administration.—Mj. Winter and Spring, PROFESSOR MARSHALL.

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[1] The social science secondary sequence comprises the following courses, History 2, 3, Political Science 1, and Political Economy 0 being prerequisites: Political Economy 1, Psychology 1, Sociology 1 or 3, Philosophy 1 or 2, and at least two related Senior College majors from one of the departments of the Philosophical and Social Science groups.

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II. GENERAL THEORY

14 and 15. Advanced Economic Theory.—2Mjs. Autumn and Winter, Associate Professor Clark.

15A. Value.—Mj. Summer, Associate Professor Brown.

16 and 17. History of Economic Thought.—2Mjs. Winter and Spring, Associate Professor Clark.

17A. Current Tendencies in Economic Thought.—Mj. Summer, Professor Hamilton.

18. Population, the Standard of Living and Eugenics.—Mj. Spring, Associate Professor Field.

19. Research Course in Economic Theory.—Associate Professor Clark.

See also:

Philosophy 10. Development of Thought in the Modern Period.
Philosophy 31. The Logic of the Social Sciences.
Philosophy 44. Social and Political Philosophy.
Psychology 13. Social Psychology.
Political Science 15. History of Political Theory.
Political Science 16. Principles of Political Science.
Sociology 15. Elements of General Sociology.
Sociology 16. The History of Sociology.

III. ECONOMIC HISTORY AND RESOURCES

2. Economic History of the United States.—Mj. Winter and Spring, Associate Professor Wright.

Attention is called to the following courses in the Department of History. Descriptions of these courses may be found in this volume under the announcement of the Department of History:

A16. Studies in the Economic History of Rome.
C20. The Political and Social Institutions of Russia.
B62, 63, C57, 105. Commercial and Industrial History of Europe.
D67. Economic and Social History of England.
E52. Social and Industrial History of the American Colonies.
E53. American Social and Industrial History, 1750–1830.

The following courses also may be mentioned in this connection:

Geography 3. Economic and Commercial Geography.
Geography 14. Economic Geography of Europe.
Geography 16. The Influence of Geography on American History.
Geography 18. Economic Geography of the United States.

IV. FINANCIAL ORGANIZATION

3. The Financial Organization of Society.—Mj. Summer, Autumn, Winter, and Spring, Assistant Professor Moulton.

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30. Bank Management.—Mj. Winter, Assistant Professor Moulton.

31. Advanced Banking.—Mj. Spring, Assistant Professor Moulton. [Not given in 1917–18.]

32. Foreign and Domestic Exchange.—[Not given in 1917–18.]

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33. Money, Prices, and the Cost of Living.—Mj. Spring, ASSISTANT PROFESSOR MOULTON.

35. Corporation Finance.—Mj. Spring, ASSOCIATE PROFESSOR WRIGHT.

36. Investments.—Mj. Spring, ASSOCIATE PROFESSOR WRIGHT.

37. The Business Manager's Administration of Finance.—Mj. Spring, PROFESSOR MARSHALL AND ASSISTANT PROFESSOR MOULTON.

38. Banking Law.—Mj. ASSISTANT PROFESSOR OLIPHANT. [Not given in 1917–18.]

39. Research Course in Finance.—ASSOCIATE PROFESSOR WRIGHT AND ASSISTANT PROFESSOR MOULTON.

See also:

Law 41. Bills and Notes.

Law 51. Private Corporations.

Political Economy 115. Law of Business Associations.

V. LABOR CONDITIONS AND PROBLEMS

4. Labor Conditions and Problems.—Mj. Autumn, Winter, and Spring, ASSOCIATE PROFESSOR MILLIS.

40. Trade Unionism.—Mj. Winter, ASSOCIATE PROFESSOR MILLIS.

41. The State in Relation to Labor.—Mj. Spring, Summer, ASSOCIATE PROFESSOR MILLIS, PROFESSOR DEIBLER.

42. Immigration.—Mj. Spring, ASSOCIATE PROFESSOR MILLIS.

43. The Business Manager's Administration of Labor.—Mj. Spring, PROFESSOR MARSHALL.

49. Research in Labor Problems. ASSOCIATE PROFESSOR MILLIS.

See also:

Political Economy 58: Programs of Social Reform.

Political Economy 116: Business Law IV: The Law of Employment.

Sociology 17. The Conflict of Classes in Modern Society.

VI. SOCIAL CONTROL OF BUSINESS ENTERPRISE

5. Social Control of Business.—Mj. Spring, ASSOCIATE PROFESSOR CLARK.

50. Industrial Combinations—Trusts.—Mj. Autumn, ASSOCIATE PROFESSOR WRIGHT.

51. Problems in the Control of Trusts and Corporations.—Mj. Winter, ASSOCIATE PROFESSOR WRIGHT.

52. Public Regulation of Prices and Earnings.—Mj. Autumn, ASSOCIATE PROFESSOR CLARK.

53. Differential Rates and Regulations.—Mj. Winter, ASSOCIATE PROFESSOR CLARK.

54. Railway Transportation.—Mj. Summer, ASSOCIATE PROFESSOR BROWN.

58. Programs of Social Reform.—Mj. Spring, MR. VINER.

59. Research in Public-Utility Regulation. ASSOCIATE PROFESSOR CLARK.

See also:

Political Science 45: Principles of Legislation (Social and Economic).

Political Science 25: Constitutional Aspects of Social Legislation.

Political Science 42: Municipal Problems (Public Utilities).

Philosophy 44: Social and Political Philosophy.

Political Economy 31: Advanced Banking.

Political Economy 35: Corporation Finance.

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Political Economy 41: The State in Relation to Labor.
Political Economy 115: The Law of Business Associations.
Political Economy 116: The Law of Employment.
Law 42: Public-Service Companies and Carriers.

VII. PUBLIC FINANCE

65. Public Finance.—Mj. Autumn, Associate Professor Millis.

66. Problems in American Taxation.—Mj. Winter, Associate Professor Millis.

See also:
Political Science 42A: Municipal Problems (Finance).

VIII. RISK AND RISK BEARING

7. Risk and Risk Bearing in Modern Industrial Society.—Mj. Spring, Dr. Knight.

70. Insurance.—Mj. [Not given in 1917–18.]

IX. MARKET ORGANIZATION AND METHODS

8. Market Functions and Market Structure.—Mj. Spring, Assistant Professor Duncan.

80. Commercial Organization I: Raw Materials.—Mj. Autumn, Assistant Professor Duncan.

81. Commercial Organization II: Manufactured Products.—Mj. Winter, Assistant Professor Duncan.

82. Commercial Organization III: Foreign Trade.—Mj. Spring, Assistant Professor Duncan.

83. General Survey of Commercial Organization.—Mj. Summer, Assistant Professor Duncan.

84. The Commerce of South America.—Mj. Associate Professor Tower.

89. Research Course in Commercial Organization.—Assistant Professor Duncan.

See also these courses offered by the School of Commerce and Administration:
Business Communication—Correspondence. Advertising Technique I—Mail Campaigns. Advertising Technique II—Display Advertising.

X. STATISTICS

9. Introduction to Statistics.—Mj. Autumn, Associate Professor Field.

90. Statistical Theory and Method.—Mj. Associate Professor Field.

91. Methods of Statistical Presentation.—Mj. Associate Professor Field.

XI. ACCOUNTING

10. Accounting Principles.—Mj. Autumn, Winter, and Spring, Mr. Munn and Professor Frazer.

101, 102. Accounting Principles.—2Mj. Autumn and Winter, Professor Frazer.

103. Accounting Practice.—Mj. Spring, Professor Frazer.

104. Accounting Problems.—Mj. Spring, Mr. ———.

105. Institutional Accounting and Budgetary Practice.—Mj. Spring, Mr. Munn.

106. Accounting I.—Mj. Summer, 11:50, Mr. Hodge.

See also:
Political Economy 123: Cost Accounting.

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XII. BUSINESS LAW

112, 113. Business Law I and II.—2Mjs. Autumn and Winter, MR. SPENCER.

114. Business Law III.—Mj. Winter, MR. SPENCER.

115. Business Law IV.—Business Associations—Mj. Spring, MR. SPENCER.

116. Business Law V: The Law of Employment.—Mj. Spring, MR. SPENCER.

See also:

Political Economy 38: Banking Law.

The Courses in Substantive Law, e.g., Property and Contracts, offered in the Law School.

XIII. INDUSTRIAL ORGANIZATION

120. Industrial Administration I.—Mj. Autumn, MR. SIMONS.

121. Industrial Administration II.—Mj. Winter, MR. SIMONS.

122. General Survey of Industrial Administration.—Mj. Summer, MR. SIMONS.

123. Cost Accounting.—Mj. Spring, MR. SIMONS.

129. Research Course in Industrial Organization.—MR. SIMONS.

XIV. TEACHERS' TRAINING COURSES AND DEPARTMENTAL SEMINAR

130. The High-School Curriculum in Commercial Subjects.—Summer, MR. LYON.

131. The Secondary-School Course in Economics.—Mj. Summer, MR. LYON.

132. Economic Bibliography.

133. Training Course for Teachers.

139. Departmental Seminar.

THE DEPARTMENT OF POLITICAL SCIENCE

OFFICERS OF INSTRUCTION

HARRY PRATT JUDSON, A.M., LL.D., Professor of International Law and Diplomacy, and Head of the Department of Political Science.

ERNST FREUND, J.U.D., PH.D., Professor of Jurisprudence and Public Law.

CHARLES EDWARD MERRIAM, PH.D., Professor of Political Science.

WALTER FAIRLEIGH DODD, A.B., PH.D., Associate Professor of Political Science.

FREDERICK DENNISON BRAMHALL, PH.B., Instructor in Political Science.

BENJAMIN F. BILLS, PH.B., J.D., Instructor in Political Science.

FELLOW, 1917–18

KIRK HAROLD PORTER, A.M.

INTRODUCTORY

Political Science, as treated in the University of Chicago, relates to the organization and working of the state. It covers the philosophy of the state, the structure and working of government, international law and diplomacy, and certain fundamental branches of municipal law.

The courses are planned with two purposes: (1) to give such knowledge and training as it is believed should be a part of liberal education, and (2) to afford

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advanced work, either for students of Law, or for those who need a knowledge of Political Science for other ends, whether for teaching, for public service, for journalism, or for the intelligence with regard to public affairs which should belong to an educated citizen.

For advanced work students will be expected (1) to have had the introductory course or its equivalent; (2) to have a reading knowledge of French and German; and (3) to be familiar with the outlines of general history and with the details of modern political history. English and American constitutional history and the fundamental courses in the Departments of Political Economy and Sociology are especially recommended.

PRINCIPAL SEQUENCES

a) For social science students who in addition to the secondary social science sequence desire to take work in Political Science the Department recommends courses 3, 4, and 10.

b) For students who desire to take the principal sequence in Political Science without taking the social science sequence the Department recommends courses 1, 2, 3, 4, 10, 16, 34, 62, 22 or 45.

c) For students intending to study law the Department recommends courses 1, 2, 3, 6, 8, 10, 4 or 34, 17, History C7.

d) For students intending to pursue graduate studies in the Department, the Department recommends courses 1, 2, 3, 4, 6, 8, 9, 10, II-7, History C7 or Geography 8.

SECONDARY SEQUENCES

The Department recommends courses 1, 2, 3, 4, 10, and 34.

COURSES OF INSTRUCTION

I. ELEMENTARY COURSE

1. Civil Government in the United States.—Mj. Autumn, 10:45; Winter, 9:15 and 11:50; Spring, 9:15 and 10:45, MR. BRAMHALL, ASSOCIATE PROFESSOR DODD, AND MR. BILLS.

II. INTERMEDIATE COURSES

Course 1 or its equivalent is a prerequisite for admission to all intermediate courses offered by this Department.

3. Comparative Government.—Mj. Autumn, 9:15; Winter, 10:45; Spring, 10:45, MR BRAMHALL.

4. Municipal Government.—Mj. Autumn, 8:15, PROFESSOR MERRIAM.

10. Elements of Law.—Mj. Autumn, 10:45, ASSOCIATE PROFESSOR DODD.

Attention is called to the following courses in the Department of Political Economy. Descriptions of these courses may be found in this volume under the announcement of the Department of Political Economy.

9. Introduction to Statistics.

10. Accounting.

III. ADVANCED COURSES

GROUP I. THEORY

15. History of Political Theory.—Winter, 9:15, PROFESSOR MERRIAM.

16. Principles of Political Science.—PROFESSOR MERRIAM. [Not given in 1917–18.]

17. American Political Theories.—Mj. Spring, 9:15, PROFESSOR MERRIAM.

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GROUP II. CONSTITUTIONAL RELATIONS

20. American Government I: Constitutions, the Electorate, and the Legislature.—Mj. MR. BRAMHALL. [Not given in 1917–18.]

21. Comparative National Government.—Mj. Winter, 11:50, ASSOCIATE PROFESSOR DODD.

22. Constitutional Law I.—Mj. Winter, 11:50, PROFESSOR HALL.

23. Constitutional Law II.—Mj. Spring, 11:50, PROFESSOR HALL.

24. Constitutional Aspects of Social and Industrial Problems.—Mj. Spring, 11:50, ASSOCIATE PROFESSOR DODD.

25. Problems in Government I: The State Budget.—Mj. Autumn, 11:50, ASSOCIATE PROFESSOR DODD.

26. Problems in Government II: The Judicial Interpretation of the Constitution of Illinois.—Mj. Spring, 10:45, ASSOCIATE PROFESSOR DODD.

34. Political Parties.—Mj. Autumn, 9:15, PROFESSOR MERRIAM.

Attention is called to the following courses in the Department of History. Descriptions of these courses may be found in this volume under the announcement of the Department of History:

D52. The Beginnings of English Nationality.

D53. The Founding of the Modern English State.

D54. The Development of English Constitutional Government.

D55. The Struggle for the English Constitution (First Period).

D56. The Struggle for the English Constitution (Second Period).

D57. The English Constitutional Monarchy and the Rise of Democracy.

E61. The Constitutional History of the United States, Middle Period.

E62. The Constitutional History of the United States, Later Period.

E117, E118. The Theory and Principle of Federal Organization in America.

GROUP III. PUBLIC ADMINISTRATION

40. American Government II: Public Administration.—Mj. MR. BRAMHALL. [Not given in 1916–17.]

42. Municipal Problems.—Mj. Winter, 8:10, PROFESSOR MERRIAM.

42A. Municipal Problems.—Mj. Spring, 8:10, PROFESSOR MERRIAM.

43. Municipal Corporations.—Mj. Summer, 1:30, PROFESSOR FREUND.

44. Administrative Law and Officers.—PROFESSOR FREUND. [Not given in 1917–18.]

45. Principles of Legislation.—Mj. Winter, 1:30, PROFESSOR FREUND.

GROUP IV. LAW

60. Torts.—DM. Summer, First Term, 9:15 and 11:50; 1½Mjs. Autumn, 9:15 and 11:50 (two sections); Winter, First Term (five hours) and Second Term (two hours), PROFESSOR HALL.

65. Remedies.—½Mj. Autumn, First Term, PROFESSOR HINTON.

63. History of Anglo-American Statute-Making.—Mj. Summer, 9:15, PROFESSOR REEVES.

GROUP V. INTERNATIONAL LAW AND DIPLOMACY

62. The Elements of International Law.—Mj. Summer, 10:45, PROFESSOR REEVES; Autumn, 9:15, PROFESSOR JUDSON.

64. Diplomatic History of the United States.—Mj. Winter, 10:45, MR. BRAMHALL.

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THE DEPARTMENT OF HISTORY

OFFICERS OF INSTRUCTION

ANDREW CUNNINGHAM MCLAUGHLIN, LL.B., A.M., LL.D., Professor and Head of the Department of History.
BENJAMIN TERRY, PH.D., LL.D., Professor of English History.
JAMES HENRY BREASTED, PH.D., Professor of Egyptology and Oriental History.
FERDINAND SCHEVILL, PH.D., Professor of Modern History.
JAMES WESTFALL THOMPSON, PH.D., Professor of Mediaeval History.
WILLIAM EDWARD DODD, PH.D., Professor of American History.
*FRANCIS WAYLAND SHEPARDSON, PH.D., Associate Professor of American History.
MARCUS WILSON JERNEGAN, PH.D., Associate Professor of History.
CONYERS READ, PH.D., Associate Professor of History.
CURTIS HOWE WALKER, PH.D., Assistant Professor of History.
CARL FREDERICK HUTH, JR., A.M., Assistant Professor of History.
ROLLA MILTON TRYON, A.M., Assistant Professor of the Methods of Teaching History in the College of Education.
ANDREW EDWARD HARVEY, PH.D., Instructor in History.
ARTHUR PEARSON SCOTT, B.D., PH.D., Instructor in History.
EINAR JORANSON, A.M., Instructor in History.
SHIRLEY FARR, PH.B., Assistant in History.

WILLIAM EZRA LINGELBACH, PH.D., Professor of Modern European History, University of Pennsylvania (Summer, 1917).
WALTER LICHTENSTEIN, Librarian, Northwestern University (Summer, 1917).
WINFRED TREXLER ROOT, Associate Professor of History, University of Wisconsin (Summer, 1917).

FELLOWS, 1917–18

CHESTER JACOB ATTIG, A.B.	ERNEST HAHN
BEVERLY PAUL CLAYTON, A.M.	CAROLINE SPARROW, A.M.
CECIL MERNE PUTNAM CROSS, A.M.	EUNICE WATTENBARGER, PH.B.

INTRODUCTORY

The undergraduate courses offered by the Department of History have been so arranged as to meet the needs not only of those intending to do advanced work in the Department of History, but also of the general college student and of those intending to specialize in other departments of the University.

SEQUENCES

Introductory Courses: History 1, 2, and 3, covering European history from 376 to the present.

Group A. Ancient, Oriental, and Classical History: A4, A5, A6, History of Egypt, Babylonia, and the Early Orient; A12, History of Greece; A13, History of the Mediterranean, Alexander to Augustus; A14, The Early Roman Empire; A15, The End of the Roman Republic; A16, Economic History of Rome; A17, The Early Empire.

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* Resigned.

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Group B. Europe in the Middle Ages: B4, The Dark Ages; B5, The Feudal Age; B6, End of the Middle Ages; B7, Europe and the Orient in the Middle Ages; B8, The Renaissance.

Group C. Europe in the Modern Period: C4, The Reformation and the Religious Wars; C5, Absolute Monarchy; C6, The French Revolution and Napoleon; C7, The Democratic Movement in Europe in the Nineteenth Century; C9, The Expansion of Europe to 1763; C10, The Expansion of Europe since 1763; C25, Political Institutions in Western Europe.

Group D. The History of England: D4, The Making of England; D5, The Making of the English Constitution; D6, The Struggle for the English Constitution; D7, Imperial England.

Group E. The History of the United States: E4, History of the United States to 1783; E5, History of the United States, 1783–1829; E6, History of the United States since 1829.

Under all circumstances courses 1, 2, and 3 are desirable for students expecting to pursue extended work in the Department. Course 3, but not courses 1 or 2, may be included in all sequences taken in the Department. Students who have received 18 majors of college credits will be permitted to enter Senior College courses in History without having taken the introductory courses. But all students who elect to take their principal or secondary sequence in the Department will be required to take at least two of the introductory courses, or else, as a substitute for them, two Senior College courses in the Department in addition to those required for the completion of the normal sequence.

As far as possible students should take their history courses in chronological order. Courses in European History and English History should precede those in American History and courses in Political History those in Economic and Social History. If two courses in History are to be carried in the same quarter, it is desirable to choose courses which cover the same period of time in adjoining fields: for instance, a course in European History in the nineteenth century should be taken with a course in English or American History in the nineteenth century.

PRINCIPAL SEQUENCES

Nine majors, three from each one of three groups given above, *A–E*.

By permission of the Dean, and with the advice and consent of the Departmental Adviser, not more than three Senior College courses from related fields in the Social Sciences, Literature, and Art may be substituted for three majors in History in principal sequences, provided that not more than two such substitutions be made in any one group. Students preparing to teach History in secondary schools may, with the consent of the Departmental Adviser, substitute for two majors in History two courses of a historical character offered by the College of Education.

SECONDARY SEQUENCES

Six majors selected from the groups given above.

Students are advised to choose their courses in the secondary sequence with reference to the subject they have elected for their principal sequence. Those who are specialising in Latin and Greek, for example, should concentrate upon Ancient History; those specializing in French, German, Italian, or Spanish Literature should concentrate upon European History; those specializing in

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English, upon English History; those in Political Economy, upon Economic History and Modern History; those in Political Science, upon Modern History, and so forth. Students preparing to study Law will do well to take the bulk of their work in English and American Constitutional History.

PREPARATION OF TEACHERS

All students expecting to teach History are advised to take their major sequence in History. Such students are especially urged to consult with the Departmental Adviser before selecting their History courses, with a view to the arrangement of their curricula according to their particular needs. Those intending to teach History in secondary schools are reminded that courses in Education are almost universally demanded by state authorities as a prerequisite for the granting of teachers' certificates in public secondary schools. They are accordingly recommended to consult with the Departmental Adviser as to the courses in the School of Education which it will be desirable for them to take.

All undergraduate and graduate students expecting to teach History are desired to file with the Departmental Adviser certain data for the guidance of the Department in assisting them to teaching positions. Blanks for this purpose may be procured at the office of the Departmental Adviser. No letters of recommendation will be issued hereafter by members of the Department of History unless this data has been placed on file.

GRADUATE WORK

In the Graduate School full liberty is allowed in the choice of subjects. Special courses are offered upon topics connected with Ancient, Mediaeval, and Modern European, English, and American History. In general, these subjects will be varied from year to year in regularly recurring series.

For advanced students special seminar courses are conducted each quarter for the double purpose of introducing the student to the methods of historical research and also for the investigation of unsettled or disputed questions.

The Historical Club, a voluntary organization of instructors and students, meets frequently for the reading and discussion of papers and the review of books and journals.

THE DOCTOR'S DEGREE

In addition to the general requirements for obtaining advanced degrees, the following special regulations are announced. Every candidate is required to pass satisfactorily: (*a*) a general oral examination on a broad field of history as defined below; (*b*) a special oral examination on a special field of history; (*c*) an oral examination on a secondary subject. For the purposes of examinations (*a*) and (*b*) the field of history is divided as follows:

PART A

1. Ancient Oriental History.
2. Greek and Roman History.
3. The Political History of Mediaeval Europe, 375–1250.
4. The History of Social and Political Institutions in Mediaeval Europe.
5. The Renaissance and the Reformation, 1250–1648.
6. English History to 1485.

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PART B

1. The Political History of Europe since 1648.
2. The History of Social and Political Institutions in Modern Europe.
3. English History since 1485.
4. The Expansion of Europe.
5. Political History of the United States to 1801.
6. Political History of the United States since 1801.
7. The History of Social and Political Institutions in the United States.

Every candidate will be required to pass a general oral examination on five (5) of the above-mentioned fields and to select one other field to be the subject of a special oral examination.

(a) GENERAL ORAL EXAMINATION

It will be observed that the fields tabulated above are grouped into two parts, A and B. In defining the five fields for his general oral examination the candidate must select any three (3) from the part which contains the field chosen for this special oral examination and the remaining two (2) fields from the other part. By special consent of the Department, candidates may be permitted to deviate from this rule in the selection of their fields, or even to define new fields, the presumption being, however, that, unless special permission be given, every candidate must conform to the general rule. The general oral examination should be taken before the student's dissertation is submitted and must precede the special oral examination by at least six months. It should normally be taken after two years' work in the graduate school or the equivalent thereof.

The examination will be on the field as defined and not on the University courses which the candidate may have taken and which may be more or less identical with the above-mentioned fields. Since the examination is of a general character, the candidate will be tested on his general knowledge, that is, he will be expected to show a reasonable familiarity with the forces, developments, and events of the five fields of his choice, as well as with the general literature appertaining to those fields. Under "reasonable familiarity" is meant, in a general way, the degree of knowledge expected of advanced undergraduate (Senior College) students *plus* the power of combination and generalization which may be presumed to be the product of the candidate's graduate studies.

For further light on the requirement in any given field the candidate is urged to see one of the instructors in that field who may suggest ways and methods of study and review in order that the candidate may make intelligent preparation for his examination.

(b) SPECIAL ORAL EXAMINATION

Every candidate will be required to pass a special oral examination upon one of the fields of history as defined above or, by special permission, upon some other well-defined field. The selection of the field is left to the candidate, but it is presumed that the field chosen will include the field of his dissertation. The oral examination cannot be taken until after the dissertation has been submitted and approved and not until at least six months after the general oral examination.

One week before his general oral examination the candidate shall prepare a statement of the fields of history in which he offers himself for examination,

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including lists of the courses which he has taken in preparation of each field, and shall file six copies of this statement with the Head of the History Department. One week before his examination in his secondary subject he shall file a similar statement of his work in preparation for that examination with the head of the department in which his secondary subject falls. One week before his special oral examination he shall file six copies of a statement of his work in his special field, including an analysis of his dissertation, with the Head of the History Department.

The candidate, in all cases where History is presented, either as a principal subject or as a secondary subject, for the Doctor's degree, will, in addition to the general requirements in French and German, be expected to have such knowledge of the language or languages in which the chief sources of the main period submitted are found as shall enable him to use such sources independently.

THE MASTER'S DEGREE

For the Master's degree at least one year's work in the Graduate School shall be submitted for examination. When possible, the Master's work should be largely confined to one of the five subdivisions mentioned above (*A–E*); but in all cases students are expected to consult with a departmental adviser.

Candidates for the Master's degree should select a subject for their theses early in their course and hand in a typewritten copy at least two months before their examinations. Attention is called to the University regulations in this matter, which are set forth on pp. 92–93 of this volume.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

1. European History: The Mediaeval Period, 376–1300.—Mj. Autumn, Winter, Spring, and Summer, Assistant Professors Walker and Huth, Drs. Harvey and Scott, Miss Farr, and Others.

2. European History: The Later Mediaeval and Early Modern Period, 1300–1715.—Mj. Autumn, Winter, Spring, and Summer, Associate Professor Read, Assistant Professors Walker and Huth, Drs. Harvey and Scott, Miss Farr, and Others.

3. European History: The Later Modern Period, 1715–1900.—Mj. Autumn, Winter, Spring, and Summer, Associate Professor Read, Assistant Professors Walker and Huth, Drs. Harvey and Scott, Miss Farr, and Others.

II. SENIOR COLLEGE COURSES

GROUP A. THE HISTORY OF ANTIQUITY

A4. History of Antiquity I: From Prehistoric Times to the Oriental Empires, Down to 1600 B.C.—Mj. Autumn, 2:35, Professor Breasted.

A5. History of Antiquity II: The Oriental Empires, 1600 B.C. to Alexander the Great.—Mj. Winter, 2:35, Professor Breasted.

A6. Survey of the Ancient Orient from Prehistoric Times to Alexander the Great.—Mj. Professor Breasted. [Not given in 1917–18.]

A12. History of Antiquity III: The History of Greece.—Mj. Autumn, 9:15, Assistant Professor Huth.

A13. History of Antiquity IV: The Civilization of the Mediterranean World from Alexander to Caesar.—Mj. Winter, 9:15, Assistant Professor Huth.

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A14. History of Antiquity V: The Roman Empire.—Mj. Spring, 9:15, Assistant Professor Huth.

A15. The End of the Roman Republic.—Mj. Summer, 1917, 8:10, Assistant Professor Huth.

A16. Studies in the Economic History of Rome.—Mj. Spring, 8:10, Assistant Professor Huth.

A17. The Early Roman Empire. Mj. Assistant Professor Huth. [Not given in 1917–18.]

GROUP B. THE HISTORY OF EUROPE IN THE MIDDLE AGES

B4. The Dark Ages, 180 A.D. to 814 A.D.—Mj. Autumn, 10:45, Professor Thompson.

B5. The Feudal Age, 814 to 1250.—Mj. Summer, 1917, and Winter, 10:45, Professor Thompson.

B6. The End of the Middle Ages, 1250 to 1500.—Mj. Spring, 10:45, Professor Thompson.

B7. Europe and the Orient in the Middle Ages: The Crusades.—Mj. Professor Thompson. [Not given in 1917–18.]

B8. The Renaissance.—Mj. Spring, 10:45, Professor Schevill.

B25. Pro-Seminar in Mediaeval History: Gregory of Tours: History of the Franks.—Mj. Spring, 1917, 11:50, Professor Thompson.

B30. The Latin Church in the Middle Ages.—Mj. Spring, 11:50, Professor Thompson.

GROUP C. THE HISTORY OF EUROPE IN THE MODERN PERIOD

C4. The Reformation and the Religious Wars, 1500–1648.—Mj. Dr. Harvey.

C5. The Rise and Decay of the Absolute Monarchy in the Seventeenth and Eighteenth Centuries.—Mj. Dr. Harvey. [Not given in 1917–18.]

C6. The French Revolution and Napoleon.—Mj. Summer, 1917, Professor Lingelbach; Winter, 11:50, Professor Schevill.

C7. Europe in the Nineteenth Century.—Mj. Summer, 1917, Professor Lingelbach; Spring, 11:50, Professor Schevill.

C8. The History of Southeastern Europe.—Mj. Autumn, 11:50, Professor Schevill.

C9. The Expansion of Europe.—Mj. Autumn, 8:10, Associate Professor Read.

C10. Expansion of Europe in the Nineteenth Century.—Mj. Summer, 1917, 8:10, Dr. Scott.

C15. Contemporary History.—Mj. Summer, 1917, and Spring, 10:45, Dr. Scott.

C20. The Political and Social Institutions of Russia.—Mj. Winter, Assistant Professor Harper.

C25. The Development of Political Institutions in Western Europe from the Renaissance to the French Revolution.—Mj. Winter, 8:10, Associate Professor Read.

GROUP D. THE HISTORY OF ENGLAND

D4. The Making of England.—Mj. Autumn, 9:15, Professor Terry.

D5. The Making of the English Constitution.—Mj. Winter, 9:15, Professor Terry.

D6. The Struggle for the English Constitution.—Mj. Spring, 9:15, Professor Terry.

D7. Imperial England.—Mj. Summer, 1917, 9:15, Professor Terry.

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GROUP B. THE HISTORY OF THE UNITED STATES

E4. History of the United States: The Early Period, 1492–1783.—Mj. Summer, 1917, ASSOCIATE PROFESSOR ROOT; Autumn, 8:10 and 9:15, PROFESSOR DODD AND ———.

E5. History of the United States: The Formative Period, 1783–1829.—Mj. Winter, 8:10 and 9:15, PROFESSOR MCLAUGHLIN AND ———.

E6. History of the United States: Division and Reunions, 1829–1915.—Mj. Spring, 8:10 and 9:15, PROFESSOR MCLAUGHLIN AND ———.

NOTE.—The foregoing series is recommended for students in the pre-legal year preparatory to entering the Law School.

E25. History of South America.—Mj. Summer, 1917, PROFESSOR LICHTENSTEIN.

III. GRADUATE COURSES

A50. The Sources of Early Oriental History.—Mj. Spring, 2:30, PROFESSOR BREASTED.

A51. Greek and Roman Historiography and Bibliography.—Mj. ASSISTANT PROFESSOR HUTH. [Not given in 1917–18.]

B50. Historiography and Historical Bibliography.—Mj. Autumn, PROFESSOR THOMPSON.

B51. Historical Criticism.—Mj. Winter, PROFESSOR THOMPSON.

B60. Feudal Germany.—Mj. PROFESSOR THOMPSON. [Not given in 1917–18.]

B61. Feudal France.—Mj. PROFESSOR THOMPSON. [Not given in 1917–18.]

B62. Mediaeval Economic and Social History from 180 A.D. to the Crusades (1095).—Mj. PROFESSOR THOMPSON. [Not given in 1917–18.]

B63. Mediaeval Economic and Social History from the Crusades to the Epoch of Discovery. Mj. PROFESSOR THOMPSON. [Not given in 1917–18.]

B64. Survey of Mediaeval Economic and Social History.—Mj. Summer, 1917, PROFESSOR THOMPSON.

B65. History of Civilization.—Mj. Autumn, 10:45, PROFESSOR SCHEVILL.

C57. Commercial and Industrial History of Europe.—Mj. Spring, 8:10, ASSOCIATE PROFESSOR READ.

C65. History of Civilization (continued).—Mj. Winter, 10:45, PROFESSOR SCHEVILL.

C70. The Rise of Prussia.—Mj. PROFESSOR SCHEVILL. [Not given in 1917–18.]

C71. The Rise of Prussia.—Mj. PROFESSOR SCHEVILL. [Not given in 1917–18.]

C75. The French Revolution.—Mj. PROFESSOR SCHEVILL. [Not given in 1917–18.]

C76. The French Revolution (continued).—Mj. PROFESSOR SCHEVILL. [Not given in 1917–18.]

D51. Introduction to the Study of English History.—Mj. PROFESSOR TERRY. [Not given in 1917–18.]

D52. The Beginnings of English Nationality.—Mj. PROFESSOR TERRY. [Not given in 1917–18.]

D53. The Founding of the Modern English State.—Mj. PROFESSOR TERRY. [Not given in 1917–18.]

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D54. The Development of English Constitutional Government.—Mj. PROFESSOR TERRY. [Not given in 1917–18.]

D55. The Struggle for the English Constitution (First Period).—Mj. Autumn, 11:50, PROFESSOR TERRY.

D56. The Struggle for the English Constitution (Second Period).—Mj. Winter, 11:50, PROFESSOR TERRY.

D57. The English Constitutional Monarchy and the Rise of Democracy (First Period).—Mj. Spring, 11:50, PROFESSOR TERRY.

D58. The English Constitutional Monarchy and the Rise of the Democracy (Second Period).—Mj. Summer, 1917, 11:50, PROFESSOR TERRY.

D67. The Economic and Social History of England from the Close of the Middle Ages to the Industrial Revolution.—Mj. Spring, 1917, 8:10, ASSOCIATE PROFESSOR READ.

E50. American Historiography and Bibliography.—Mj. Spring, ASSOCIATE PROFESSOR JERNEGAN.

E52. The Social and Industrial History of the American Colonies.—Mj. Winter, 8:10, ASSOCIATE PROFESSOR JERNEGAN.

E53. American Social and Industrial History, 1750–1830.—Mj. ASSOCIATE PROFESSOR JERNEGAN. [Not given in 1917–18.]

E60. The Constitutional History of the United States: Early Period.—Mj. Autumn, 8:10, PROFESSOR MCLAUGHLIN.

E61. The Constitutional History of the United States: Middle Period.—Mj. Winter, 8:10, PROFESSOR MCLAUGHLIN.

E62. The Constitutional History of the United States: Later Period.—Mj. Spring, 8:10, PROFESSOR MCLAUGHLIN.

E65. The History of the United States, 1860–69.—Mj. [Not given in 1918.]

E66. The History of the United States, 1869–77.—Mj. Summer, 1917, ASSOCIATE PROFESSOR ROOT.

E67. The History of the United States, 1877–1912.—Mj. [Not given in 1917–18.]

E70. United States History: The New West, 1763–1830.—Mj. Summer, 2:35, ASSOCIATE PROFESSOR JERNEGAN.

E71. The Middle West, 1830–61.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E72. The West, and the Civil War and Reconstruction, 1861–77.—Mj. Spring, 1:30, PROFESSOR DODD.

E73. The Far West and the New Nation.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E80. United States History: The History of the South.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E81. United States History: The Old South, 1763–1833.—Mj. Autumn, 1:30, PROFESSOR DODD.

E82. United States History: The Lower South, 1833–61.—Mj. Winter, 1:30, PROFESSOR DODD.

E83. United States History: The South and the Civil War.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E84. United States History: Civilization of the Ante-bellum South.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E85. The South from 1833–65.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

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THE SEMINARS

C101. The French Revolution.—Mj. PROFESSOR SCHEVILL. [Not given in 1917–18.]

C105. Selected Topics in the Social and Economic History of Western Europe in the Sixteenth Century.—Mj. ASSOCIATE PROFESSOR READ. [Not given in 1917–18.]

D104–105. Topics in English Constitutional History.—2Mjs. Autumn and Winter, F., 4:00–6:00, PROFESSOR TERRY.

E101. The Preliminaries of the American Revolution.—Mj. PROFESSOR MCLAUGHLIN. [Not given in 1917–18.]

E103, 104. The Constitutional Questions of the American Revolution.—2Mjs. PROFESSOR MCLAUGHLIN. [Not given in 1917–18.]

E105. Problems in the Later Constitutional History of the United States.—Mj. Autumn, M., 2:35–4:30, PROFESSOR MCLAUGHLIN.

E106. The Beginnings of American Church History.—Mj. PROFESSOR MCLAUGHLIN. [Not given in 1917–18.]

E108. Topics in the Social and Industrial History of the United States, 1750–1830.—Mj. Summer and Spring, Tu. and Th., 3:40–5:30, ASSOCIATE PROFESSOR JERNEGAN.

E110. The Problems of the Confederation.—Mj. PROFESSOR MCLAUGHLIN. [Not given in 1917–18.]

E111. The Philadelphia Convention of 1787.—M. PROFESSOR MCLAUGHLIN. [Not given in 1917–18.]

E115. The Constitutional Questions of Jackson's Administration.—M. PROFESSOR MCLAUGHLIN. [Not given in 1917–18.]

E117, 118. The Theory and Principle of Federal Organization in America.—2Mjs. Summer, 1917, First Term, PROFESSOR MCLAUGHLIN.

E122. Slavery Question in the Old Northwest.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E124. Slavery in the Southwest.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E126. Attitude of the Northwest during the Civil War.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E127. Topics in the Social and Economic History of the Early West.—Mj. ASSOCIATE PROFESSOR JERNEGAN. [Not given in 1917–18.]

E128. Topics in the Later History of the Middle West.—Mj. 1917, Tu. and Th., 3:40–5:30, ASSOCIATE PROFESSOR JERNEGAN. [Not given in 1917–18.]

E130. Church and State in the Old South.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E131. The South and the Compromise of 1850. Mj. Winter, Wed., 3:40–5:30, PROFESSOR DODD.

E132. The South and the Compromise of 1820–21.—Mj. Spring, PROFESSOR DODD. [Not given in 1917–18.]

E134. Studies in the History of Secession.—Mj. Spring, Wed., 3:40–5:30, PROFESSOR DODD.

E137. Studies in Confederate Internal History.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

E140. The Outbreak of the War with Spain.—Mj. PROFESSOR DODD. [Not given in 1917–18.]

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Students desiring to specialize in Ancient History will find abundant opportunity. Besides work offered in the History Department, A4, A5, A12, A13, A14, A15, A16, A17, A50, A51, special courses are offered in the Departments of Greek, Latin, and the History of Art. These enable students who wish to do graduate work in this branch to get a complete training in the subject itself and in its auxiliary sciences. Special attention is called to the following courses, which may be taken for credit under Group A, and in which as far as possible the instructors will assign the work to individual students with reference to their major. In the Department of Greek special attention is called to courses 15, *Hellenica;* 18, Thucydides and Aristophanes; 19, Research Course in Greek History (Athenian Empire); 20, Aristotle, *Constitution of Athens;* 22, Isaeus; 39, Herodotus; 47, 47A. In the Department of Latin: 23, Caesar; 37, Tacitus' *Annals;* 50, Roman Private Life; 64, Early Roman History; 85, Introduction to Latin Inscriptions; 65, The Early Years of the Reign of Nero. The Department of History of Art offers work in 2, Greek Art; 5, Roman Art; 9, Greek and Roman Coins and Gems.

Courses are offered in the Department of Church History in the Divinity School which graduate students can frequently take advisedly and for which they can receive full credit in the Graduate School. Courses offered in Church History, 1917–18, which would be especially suitable for graduate students, are: S1, History of the Church to the Rise of the Papacy; 2, The Ancient Catholic Church; 3, The Period of the Reformation, 1500–1648; 4, The Development of Modern Christianity; S3, History of the Church in the Modern Period; 6, Early Christianity and Contemporary Religions; 16, Pre-Reformation Movements; 34, England under the Tudors and Stuarts; England in the Eighteenth and Nineteenth Centuries; American Christianity.

The Department of Comparative Philology offers course 16, History of India. The course will trace the political history of India and the parallel social development from the time of the Rig Veda to the Battle of Plassey, 1757. The formation of the Mongol Empire in Central Asia will be traced in order to give a background for the treatment of the Mogul Period in India.

Courses in the Department of Political Science of special value to the student of history are 4, 15, 16, 17, 20, 21, 22, 23, 24, 25, 34, 40, 44, 45, 62, 64; in the Department of Political Economy, 7, 8, 15, 16; in the Department of Sociology and Anthropology, 3, 15, 16A, 17, 21, 22, 23, 30, 31, 43, 44; in the Department of Education of special value to students of American History, 17, 18, History of American Education (1) to 1800, (2) 1800–. In the School of Education there is given a series of courses on the teaching of history and civics.

In the Department of Geography these courses are of special value to students of history: 16, Influence of Geography on American History; 33, Geographic Influences in the History of New England; 34, Geographic Influences in the History of the Interior; 36, Geographic Influences in the History of the Western States.

There are various courses in other departments which are, either directly or indirectly, of a historical nature. Special attention is called to Ancient Oriental History, Oriental Languages 80–82, 115–17, 226; New Testament Times and Early Christian Literature, 2, 10, 11; Mohammedan History, Oriental Languages 216, 218, 220.

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SUMMARY OF COURSES OFFERED BY THE DEPARTMENT OF HISTORY, 1917–18

Summer, 1917	Autumn, 1917	Winter, 1918	Spring, 1918
1. European History (Walker, Joranson)	1. European History (Walker, Huth, Scott, Farr, Joranson)	1. European History (Joranson)	1. European History (Joranson)
2. European History (Walker, Joranson)	2. European History (Joranson)	2. European History (Walker, Huth, Farr, Joranson)	2. European History (Walker)
3. European History (Kull)	3. European History (Read)	3. European History (Read)	3. European History (Read, Walker, Huth, Scott, Joranson, Farr)
A 13. Alexander to Caesar (Huth)	A 4. Prehistoric Times to Oriental Empire (Breasted)	A 5. Oriental Empires (Breasted)	A 14. Roman Empire (Huth)
A 15. Late Roman Republic (Huth)	A 12. Greece to Alexander (Huth)	A 13. Alexander to Caesar (Huth)	A 16. Economic History of Roman Empire (Huth)
B 5. Feudal Age (Thompson)	B 4. Dark Ages (Thompson)	B 5. Feudal Age (Thompson)	B 6. Later Middle Ages (Thompson)
C 6. French Revolution (Lingelbach)	C 4. The Reformation (Harvey)	C 6. French Revolution (Schevill)	B 8. Renaissance (Schevill)
C 7. Nineteenth Century (Lingelbach)	C 8. Southeastern Europe (Schevill)	C 25. Political Institutions of Western Europe (Read)	B 30. Latin Church (Thompson)
C 10. Expansion of Europe (Scott)	C 9. Expansion of Europe (Read)	D 5. Making of English Constitution (Terry)	C 7. Europe in Nineteenth Century (Schevill)
C 15. Contemporary History (Scott)	D 4. Making of England (Terry)	E 5. United States: Middle Period (McLaughlin and ———)	C 15. Contemporary History (Scott)
D 7. Imperial England (Terry)	E 4. United States: Early Period (Dodd and ———)	B 51. Historical Criticism (Thompson)	D 6. Struggle for the English Constitution (Terry)
E 4. United States: Early Period (Root)	B 50. Historiography (Thompson)	C 65. History of Civilization (Schevill)	E 6. United States: Later Period (McLaughlin and ———)
E 25. History of South America (Lichtenstein)	B 65. History of Civilization (Schevill)	D 56. Struggle for English Constitution (Terry)	C 57. Commercial and Industrial Europe (Read)
B 64. Survey of Mediaeval Economic History (Thompson)	D 55. Struggle for the English Constitution (Terry)	E 52. Social and Industrial History of American Colonies (Jernegan)	D 57. English Constitutional Monarchy (Terry)
D 58. English Constitutional Monarchy (Terry)	E 60. Constitutional History of the United States (McLaughlin)	E 61. Constitutional History of the United States (McLaughlin)	E 50. American Bibliography and Historiography (Jernegan)
E 61a. Constitutional History of the United States (McLaughlin)	E 67. History of the United States: 1877–1912 (———)	E 82. Lower South (Dodd)	E 62. Constitutional History of the United States (McLaughlin)
E 66. History of the United States, 1869–77 (Root)	E 81. Old South (Dodd)	D105. English History Seminar (Terry)	E 72. The West and the Civil War (Dodd)
E 70. The New West, 1763–1830 (Jernegan)	D104. English History Seminar (Terry)	E131. Compromise of 1850 (Dodd)	E108. Topics in Social and Industrial History of United States (Jernegan)
E117a. Federal Organization—America (McLaughlin)	E105. Problems in Later Constitutional History (McLaughlin)		E134. Secession (Dodd)
E108. Topics in Social and Industrial History of United States (Jernegan)			

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THE DEPARTMENT OF THE HISTORY OF ART

OFFICERS OF INSTRUCTION

FRANK BIGELOW TARBELL, PH.D., Professor of Classical Archaeology.
JAMES HENRY BREASTED, PH.D., Professor of Egyptology and Oriental History.
WALTER SARGENT, Professor of Fine and Industrial Art in Relation to Education.
RICHARD OFFNER, PH.D., Instructor in the History of Art.

ALFRED VANCE CHURCHILL, A.M., Professor of the History and Interpretation of Art, Smith College (Summer, 1917).

FELLOW, 1917–18

HELEN GARDNER, A.B.

INTRODUCTORY

The University owns a considerable number of original Egyptian antiquities and of casts of Egyptian and Assyrian bas-reliefs and other objects. It owns also several thousand photographs illustrating all branches of the history of art which are here taught. These are constantly accessible to students. Furthermore, the neighboring Field Museum of Natural History has some illustrative material, the Egyptian collection being unusually valuable; and the Art Institute of Chicago, which may be reached in about half an hour from the University, has a large number of casts of sculpture and architecture, reproductions in bronze of most of the bronze statues found in Pompeii and Herculaneum, some original works of Egyptian, Greek, and Roman art, and a gallery of paintings, which includes examples of some of the great masters of the seventeenth century. Much use is made by the Department of the opportunities afforded by these collections.

Graduate students desiring to use any of the following courses in fulfilment of the requirements for one of the higher degrees are expected to undertake some work in addition to that required of undergraduates.

Candidates for the degree of Doctor of Philosophy who make the History of Art their major or minor subject are at liberty to confine themselves to either the Ancient Period or the Mediaeval and Modern Period. Such students are, however, strongly urged to obtain at least a general acquaintance with the art of the period in which they are not specializing.

COURSES OF INSTRUCTION

I. SENIOR COLLEGE COURSES

GROUP I. THE ANCIENT PERIOD

1. Oriental Art from the Earliest Times to the Advent of Alexander.—Mj. Spring, 2:35, PROFESSOR BREASTED.

2. Greek Art.—Mj. Autumn, 10:45, PROFESSOR TARBELL.

3. Greek Life, Studied from the Monuments.—Mj. PROFESSOR TARBELL. [Not given in 1917–18.]

4. Ancient Athens, Olympia, and Delphi.—Mj. PROFESSOR TARBELL. [Not given in 1917–18.]

5. Roman Art.—Mj. Winter, 10:45, PROFESSOR TARBELL.

6. Fifth-Century Greek Sculpture.—Mj. PROFESSOR TARBELL. [Not given in 1917–18.]

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7. Fourth-Century Greek Sculpture.—Mj. PROFESSOR TARBELL. [Not given in 1917–18.]

8. Greek Drawing and Painting.—Mj. PROFESSOR TARBELL. [Not given in 1917–18.]

9. Greek and Roman Coins and Gems.—Mj. PROFESSOR TARBELL. [Not given in 1917–18.]

11. Attic Red-figured Vases.—Mj. PROFESSOR TARBELL. [No given in 1917–18.]

12. Prehistoric Art in Greece.—M. PROFESSOR TARBELL. [Not given in 1917–18.]

GROUP II. THE MEDIAEVAL AND MODERN PERIOD

24. Masterpieces of Italian Painting.—M. DR. OFFNER. [Not given in 1917–18.]

25. Masterpieces of Italian Painting.—Mj. DR. OFFNER. [Not given in 1917–18.]

31A. Florentine Art of the Fifteenth Century.—M. Summer, Second Term, 10:45, DR. OFFNER.

33A. Venetian Painting of the Fifteenth Century.—M. Summer, Second Term, 11:50, DR. OFFNER.

34. Florentine Sculpture of the Renaissance.—Mj. DR. OFFNER. [Not given in 1917–18.]

35. Italian Painting of the Fifteenth Century.—Mj. DR. OFFNER. [Not given in 1917–18.]

36. Introduction to the History of Painting.—Mj. Autumn, 8:10, DR. OFFNER.

37. The Great Spanish Masters.—Mj. DR. OFFNER. [Not given in 1917–18.]

38. The Great Venetian Masters.—Mj. DR. OFFNER. [Not given in 1917–18.]

39. Michelangelo and Raffael.—Mj. Winter, 8:10, DR. OFFNER.

40. Art Interpretation.—M. Summer, First Term, 10:45, PROFESSOR CHURCHILL.

41. French Painting of the Nineteenth Century.—M. Summer, Second Term, 11:50, PROFESSOR CHURCHILL.

42. The Art and Culture of the Italian Renaissance.—Mj. Spring, 8:10, DR. OFFNER.

GROUP III. SUPPLEMENTARY COURSES

16. Color in Pictorial and Decorative Art.—M. Summer, First Term, 8:10–10:10, PROFESSOR SARGENT AND MISS KIMBER. Mj. Winter, 8:10–10:10, PROFESSOR SARGENT.

18. The Elements of Pictorial Expression.—M. Summer, Second Term, 8:10–10:10, PROFESSOR SARGENT.

II. GRADUATE COURSES

GROUP I. THE ANCIENT PERIOD

14, 15. Problems in the History of Greek Art.—2Mjs. Autumn and Winter, Tu. and Fri., 3:30–5:30, PROFESSOR TARBELL.

GROUP II. THE MEDIAEVAL AND MODERN PERIOD

50, 51, 52. Problems in the History of Italian Art.—3Mjs. Autumn, Winter, Spring, Mon. and Th., 4:30–6:30, DR. OFFNER.

Attention is called to the following course:

IN THE DEPARTMENT OF PHILOSOPHY

7. Aesthetics.—Mj. Spring, 8:10, PROFESSOR TUFTS.

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THE DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

OFFICERS OF INSTRUCTION

ALBION WOODBURY SMALL, PH.D., LL.D., Professor and Head of the Department of Sociology.

WILLIAM ISAAC THOMAS, PH.D., Professor of Sociology.

FREDERICK STARR, PH.D., Sc.D., Associate Professor of Anthropology; Curator of the Anthropological Section of Walker Museum.

SCOTT E. W. BEDFORD, A.M., L.H.D., Associate Professor of Sociology.

ERNEST WATSON BURGESS, PH.D., Assistant Professor of Sociology.

EDITH ABBOTT, PH.D., Instructor in Methods of Social Investigation.

ROBERT E. PARK, PH.D., Professorial Lecturer in Sociology.

SPECIAL INSTRUCTORS

GEORGE ELLIOTT HOWARD, PH.D., Professor and Head of the Department of Political Science and Sociology, University of Nebraska (Summer, 1917).

MARY E. MCDOWELL, Head Resident of the University Settlement.

FELLOWS, 1917–18

HOWARD EIKENBERRY JENSEN, A.M. EZRA DWIGHT SANDERSON, S.B.
FREDERIC MILTON THRASHER, A.B.

INTRODUCTORY

The division of labor assigned to this Department is a study on the one hand of the general processes of human association, and on the other hand of the principles of conduct indicated by ascertained knowledge of social relations considered as a whole.

This double task implies, first, that the Department depends largely upon use of the methods and results of the other departments of social science, including Psychology; secondly, that Sociology is held responsible for some distinct contribution to the final interpretation of all the different analyses of human experience.

The union of the subjects of Anthropology and Ethnology with Sociology is merely provisional. The courses offered are intended to enable students to gain a general idea of the earlier stages of human progress, to take a survey of the races of mankind, to study the beginnings made by primitive man in times before history, and to acquire necessary methods of research in these subjects.

PRINCIPAL SEQUENCE (NINE MAJORS)

1) *For students who desire to take the principal sequence in Sociology* (without taking the Social Science sequence), courses 1, 3, and 5 are required and should be taken in their numerical order; there must be taken in addition not fewer than three of the following courses: 6, 7, 15, 17, 18, 30, 31, 37, 43, 51, 55, 57, and 58. The remainder of the sequence must be chosen by permission of the Dean, with the advice and consent of the Departmental Adviser. Courses in allied departments may be used.

2) *For students who select as a principal sequence the combined sequences of the Social Science departments*, and wish to complete this sequence by selecting

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three majors in Sociology, the Department recommends either course 1 or 3 (the one not taken in the prescribed list); also 5 and 6.

3) *For students intending to pursue graduate work in the Department* the following courses are recommended: 1, 3, 5, 6, 15, 17, 18, 30, and 31.

SECONDARY SEQUENCE (SIX MAJORS)

For students who desire to take the secondary sequence in Sociology courses 1, 3, and 5 are required. The additional three majors must be chosen by permission of the Dean, with the advice and consent of the Departmental Adviser.

The courses in the Department of Sociology and Anthropology fall into the following groups: (I) General Sociology; (II) Social and Racial Psychology; (III) Social Technology; (IV) Anthropology and Ethnology. Candidates for the higher degrees, if otherwise qualified, may choose either of these groups as principal or secondary subject. The minimum amount of work accepted for the Master's degree is six majors, or for the secondary subject leading to the degree of Ph.D., nine majors. If either of the above groups be chosen as the principal subject for the degree of Ph.D., a minimum of eighteen majors, approved by the Department, will be required. Preferably before registering for graduate work, but not later than the second week of residence, students will (*a*) satisfy the Departmental Examiner that the preliminary requirements, as specified in the next paragraph, have been satisfied; (*b*) submit for the approval of the Department a schedule of the courses on which they propose to base their application for the higher degree.

In order to be admitted to candidacy for one of the higher degrees in Sociology or Anthropology, students must have included in their previous work the equivalent of the following courses:

I. Elements of Biology
II. History 1, 2, and 3
III. Political Economy 0 and 1
IV. Statistics (Political Economy 9)
V. Political Science 1
VI. Psychology 1
VII. Sociology 1
VIII. Sociology 3
IX. Logic or Ethics, one major
X. One year of Senior College History

The following courses or their equivalents must have been covered by candidates for the Master's degree:

I. Sociology 3 (or 30 in case 3 has been included in the undergraduate work)
II. Sociology 5
III. Sociology 15
IV. Sociology 16A or 16B
V. Political Science 10, Elements of Law

In addition to these, in case Sociology is the secondary subject for the Doctor's degree:

VI. Sociology 30 and 37
VII. Sociology 17

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In case Sociology is the principal subject, the course must include at least one year of work in one of the seminars of the Department.

The instructors in this Department edit the *American Journal of Sociology*, which is published bimonthly on the first of January, March, May, July, September, and November. The subscription price, postage prepaid, for the United States, Canada, and Mexico, is $2.00 per year; for foreign countries, $2.50; single numbers, 35 cents. The twenty-second annual volume is now current. By payment of the annual dues of $3.00, or $3.50 in the case of residents of foreign countries, membership in the American Sociological Society may be gained. The *American Journal of Sociology* and the *Annual Proceedings* of the Society are secured to each member by the annual dues. The Secretary of the Society is Associate Professor Scott E. W. Bedford, of the University of Chicago.

The members of the Sociology Club are the instructors and graduate students in the Department of Sociology and Anthropology. By a vote of two-thirds of the members of the club, other persons, whether connected with the University or not, may be admitted to membership. Meetings are held every fortnight.

COURSES OF INSTRUCTION

I. ELEMENTARY COURSES

1. Introduction to the Study of Society.—Mj. Autumn, Winter, Spring, and Summer, 8:10 and 10:45, ASSOCIATE PROFESSOR BEDFORD AND ASSISTANT PROFESSOR BURGESS.

II. INTERMEDIATE COURSES

Course 1 is prerequisite for admission to all intermediate courses offered by this Department. Intermediate courses confer but half-credit as graduate work.

3. Social Origins.—Mj. Summer and Autumn, 9:15, PROFESSOR THOMAS.

5. The Family.—Mj. Spring, 11:50, ASSISTANT PROFESSOR BURGESS.

6. Modern Cities· Municipal Sociology.—Mj. Summer, 8:10; Autumn, Winter, and Spring, 9:15; ASSOCIATE PROFESSOR BEDFORD.

7. Social Pathology.—Mj. Summer and Autumn, 11:50, ASSISTANT PROFESSOR BURGESS.

Attention is called to the following courses in the Departments of Political Economy and Political Science. Descriptions of these courses may be found in the announcements of the respective departments:

Political Economy 4. Labor Conditions and Problems.
Political Economy 9. Introduction to Statistics.
Political Science 10. Elements of Law.

Attention is called to the following courses in the Departments of Psychology and Education. Descriptions of these courses may be found in the announcements of the respective departments:

Psychology 7. Abnormal Psychology.
Psychology 13. Social Psychology.
Practical Theology 6a. Moral Education and Juvenile Delinquency.
Education 73. Psychopathic, Retarded, and Mentally Deficient Children.

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III. ADVANCED COURSES

GROUP I. GENERAL SOCIOLOGY

15. Elements of General Sociology.—Mj. Autumn, 2:35, PROFESSOR SMALL.

16A. History of Sociology from the Beginning of the Nineteenth Century.—Mj. Winter, 1918, 2:35, PROFESSOR SMALL.

16B. History of Sociology in the United States from 1865.—Mj. PROFESSOR SMALL. [Not given in 1917–18.]

17. The Conflict of Classes in Modern Society.—Mj. Spring, 2:35, PROFESSOR SMALL.

18. The Ethics of Sociology.—Mj. PROFESSOR SMALL. [Not given in 1917–18.]

21. Social Forces in Modern Democracy: United States.—PROFESSOR SMALL. [Not given in 1917–18.]

22. Social Forces in Modern Democracy: England.—PROFESSOR SMALL. [Not given in 1917–18.]

23. Social Forces in Modern Democracy: France and Germany.—PROFESSOR SMALL. [Not given in 1917–18.]

27, 28, 29. Seminar: Problems in General Sociology.—3Mjs. Autumn, Winter, Spring, PROFESSOR SMALL.

GROUP II. SOCIAL AND RACIAL PSYCHOLOGY

The courses in social and racial psychology, although dealing with various and apparently unrelated subjects, have nevertheless a systematic character. They aim: (1) To define and illustrate a method for (*a*) the analysis into their elements of the fundamental social attitudes, habits, and modes of behavior, and for (*b*) the determination of racial and individual temperaments and aptitudes. (2) To describe and explain the processes of social interaction (*a*) by which individuals and groups of individuals arrive at self-consciousness and acquire moral distinction and individuality, and (*b*) by which the social attitudes of individuals—their sentiments, habits, and technique—are modified, generalized, and transmitted, in the form of custom, convention, and tradition, as a social inheritance, from an earlier to a later generation, or from one race, nationality, or cultural group to another. (3) To investigate through the medium of biographies, letters, psycho-analytical records, and other intimate documents and expressions of the inner life, the more divergent types of human behavior, as represented in individuals and isolated groups, and to determine the influence of traditional inhibitions, social pressures, and occupational interests upon natural aptitudes and temperaments, and the relation of these factors in the formation of the character of individuals and of the characteristic traits of groups, races, and nationalities.

30. The Social Attitudes.—Mj. Summer, 10:45, PROFESSOR THOMAS.

32. Theory of Disorganization.—Mj. Spring, 9:15, PROFESSOR THOMAS.

37. The Crowd and the Public.—Mj. Summer and Autumn, 11:50, PROFESSOR PARK.

38. The Newspaper.—Mj. Summer, 8:10, PROFESSOR PARK.

43. The Negro in America.—PROFESSOR PARK. [Not given in 1917–18.]

43a. Research in the Field of Social Psychology.—Mj. Autumn, PROFESSOR PARK.

43b. Field Studies.—Mj. Winter, PROFESSOR PARK.

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44. The Negro in Africa.—Mj. ———. [Not given in 1917–18.]

45. Races and Nationalities.—Mj. Autumn, 10:45, PROFESSOR THOMAS.

46. Research Course.—Mj. Spring, 10:35, PROFESSOR THOMAS.

Attention is called to the following courses in the Department of Philosophy. Descriptions of these courses may be found in the announcement of that Department:

40. Evolution of Morality.

60. Psychology of Religion.

62. Psychology of Religious Groups.

GROUP III. SOCIAL TECHNOLOGY

36. The Social Survey.—Summer, Winter, 1918, 9:15, PROFESSOR PARK.

49. Social Politics.—M. Summer, Second Term, 9:15, DR. ABBOTT.

50. Urban Communities.—Mj. ——— ———. [Not given in 1917–18.]

51. Social Treatment of Crime.—M. Summer, Second Term, DR. ABBOTT; Mj. Winter, 10:45, ASSISTANT PROFESSOR BURGESS.

52. Evolution of Philanthropy.—Mj. Winter, 11:50, ——— ———.

53. The Church and Society.—Mj. Autumn, PROFESSOR HOBEN.

54. Problems and Methods of Church Expansion.—Mj. Spring, 10:45, ——— ———.

55. Contemporary Charities.—Mj. ——— ———.

56. Methods of Social Investigation.—Mj. ———.

57. Rural Sociology.—Mj. Summer, 9:15, MR. SANDERSON.

58. Organization and Administration of Charities.—Mj. Spring, 1918, 11:45, ——— ———.

59. The Group of Industrials.—Mj. ——— ———. [Not given in 1917–18.]

63. The Playground Movement.—Mj. ———.

73, 74, 75. Seminar in Methods of Social Amelioration. ——— ———.

Attention is called to the following course in the Department of Practical Theology. Description of this course may be found in the announcement of the Divinity School under the Department of Practical Theology:

60. Moral Education and Juvenile Delinquency.

Attention is called to the following courses in the Department of Political Economy. Descriptions of these courses may be found in the announcements of that Department:

20. Population, the Standard of Living, and Eugenics.

24. Vital Statistics.

41. The State in Relation to Labor.

44. Trade Unionism.

58. Program of Social Reform.

***61. History of the Social Reform Movement.**—Mj. (or M. either Term) Summer, 10:45, DR. ABBOTT.

***66A. The Family, Marriage, and Related Problems.**—M. Summer, First Term, PROFESSOR HOWARD.

***67. Problems in Social Psychology and Ethics.**—M. Summer, First Term, PROFESSOR HOWARD.

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Attention is called to the following courses in the Department of Household Administration. Descriptions of these courses may be found in the announcement of that Department:

21. The Legal and Economic Position of Women.

22. The Child and the State.

GROUP IV. ANTHROPOLOGY AND ETHNOLOGY

I. Elementary Courses

80. General Anthropology.—Mj. Winter, 11:50, ASSOCIATE PROFESSOR STARR.

82. Ethnology.—Mj. Spring, 11:50, ASSOCIATE PROFESSOR STARR.

83. Physical Anthropology.—Mj. ASSOCIATE PROFESSOR STARR. [Not given in 1917–18.]

II. Intermediate Courses

90. Prehistoric Archaeology.—Mj. Summer, 1918, 11:50, ASSOCIATE PROFESSOR STARR.

91. Prehistoric Archaeology.—Winter, 10:45, ASSOCIATE PROFESSOR STARR.

92. The American Race.—ASSOCIATE PROFESSOR STARR. [Not given in 1917–18.]

93. Ethnology.—Mj. ASSOCIATE PROFESSOR STARR. [Not given in 1917–18.]

III. Advanced Courses

100. Mexico.—Mj. ASSOCIATE PROFESSOR STARR. [Not given in 1917–18.]

101. Japan.—Mj. Summer, 1918, 10:45, ASSOCIATE PROFESSOR STARR.

102. The Pueblo Indians of New Mexico.—Mj. Spring, 10:45, ASSOCIATE PROFESSOR STARR.

103. The Peoples of the Congo Free State.—Mj. 4 hours a week, ASSOCIATE PROFESSOR STARR. [Not given in 1917–18.]

104, 105, 106. Physical Anthropology—Laboratory Work.—ASSOCIATE PROFESSOR STARR. [Not given in 1917–18.]

107, 108, 109. Laboratory Work in Anthropology.—ASSOCIATE PROFESSOR STARR.

113, 114, 115. Seminar: General Progress in Anthropological Science.—ASSOCIATE PROFESSOR STARR. [Not given in 1917–18.]

By arrangement with the Head of the Department of Sociology certain courses offered by the Departments of Philosophy, Psychology, Political Economy, Political Science, History, Household Administration, and Comparative Religion may be accepted in satisfying requirements for the Doctor's degree with Sociology as principal subject. In this connection special attention is called to the following courses:

Philosophy: Social Psychology; Evolution of Morality; Types of Ethical Theory; Recent Ethical Theory; Social and Political Philosophy; Seminar, Social Consciousness; Seminar, Moral Education; Psychology of Religion; Metaphysics of Religion.

Psychology (assuming sufficient elementary work): History of British Psychology; History of German Psychology; American and French Psychologists; Advanced Systematic Psychology.

Political Economy: History of Economic Thought; Value; Advanced Economic Theory; Current Tendencies in Economic Thought; Population; Statistical Theory and Method; Vital Statistics; Public Finance; Labor Conditions and Problems; Trade Unionism; Labor Research; The Financial Organization of Society; Money, Prices, and the Cost of Living; The State in Relation to

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Labor; Immigration; Risk and Risk Bearing in Modern Industrial Society; Social Control of Business; Public Regulation of Prices and Earnings; Programs of Social Reform; Market Functions and Market Structure; Industrial Combinations.

Political Science: American Government; Comparative National Government; Municipal Government; Municipal Problems; Political Parties; History of Political Theory; Principles of Political Science; American Political Theories; Constitutional Law; Municipal Corporations; Administrative Law and Officers; Principles of Social and Economic Legislation; Elements of Law; Torts; Contracts.

History: The Sources of Early Oriental History; Historiography and Historical Bibliography; Historical Criticism; American Historiography and Bibliography. In particular cases any of the research courses in History which directly supplement the special work chosen by a candidate for the degree of Ph.D. in Sociology may be accepted by the latter Department.

Household Administration: House Sanitation; Food Supplies and Dietaries; Administration of the House; Modern Problems in Household Administration.

Comparative Religion: As in the case of History, any courses which are germane to the principal work of the student.

THE DEPARTMENT OF HOUSEHOLD ADMINISTRATION

OFFICERS OF INSTRUCTION

MARION TALBOT, A.M., LL.D., Professor of Household Administration.

SOPHONISBA PRESTON BRECKINRIDGE, PH.D., J.D., Assistant Professor of Social Economy.

FELLOW, 1917–18

MINNA CAROLINE DENTON, A.M.

INTRODUCTORY

The courses in this Department are planned to give students (1) a general view of the place of the household in society as a means of liberal culture; (2) training in the rational and scientific administration of the home as a social unit; (3) preparation to serve as teachers of Home Economics, Domestic Science, and Household Arts, or as social workers in institutions whose activity is largely expressed through Household Administration. The regular courses of the Department are supplemented by courses offered by instructors in other departments. Special attention is called to courses of the Departments of Sociology, Chemistry, Zoölogy, Physiology, and Bacteriology, and of the School of Education, which are especially adapted to the needs of students in Household Administration.

In the case of students desiring to pursue a special line of work or to fit themselves for some particular field of activity, the instructors will give assistance in organizing courses of study. The work of this as of other departments may be used under the rules of the University toward fulfilling the requirements for the different degrees. No special certificate is awarded by the Department, but an official statement of courses satisfactorily completed is granted on request.

Opportunities are afforded for gaining practical experience in housekeeping, lunchroom management, marketing, household accounting, and similar activities. There are also frequent occasions for active participation in such philanthropic work as supplements the instruction of the classroom.

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The Household Administration Club meets to discuss important new literature, to present results of investigations carried on by instructors and students in the Department, and to hear specialists on topics not fully treated in the regular curriculum.

Instruction in a limited number of courses is offered through the Correspondence-Study Department, to which inquiries for information should be addressed.

The courses of the Department of Household Administration are open to six classes of students:

1. Graduate students who wish to pursue advanced work. Candidates for the Master's and the Doctor's degrees will conform to the University regulations for advanced degrees (see pp. 92–96). The specific requirements of the Department will be determined in each case according to the undergraduate training of the candidate.

2. Senior College students who have completed the requirements of the Junior Colleges either in the University of Chicago or elsewhere may take their Major or Minor sequences for the Bachelor's degree in the Department of Household Administration or may choose courses as free electives.

3. Junior College students who are admitted on the presentation of 15 units from the list of approved subjects are then allowed to take a limited amount of work in the Department of Household Administration, together with regular required work.

4. College of Education students registering for the four years' course which leads to the Bachelor's degree in Education.

5. College of Education students who are candidates for the two-year certificate in Home Economics.

6. Unclassified students who may wish to pursue courses independent of a degree. Such students must be at least twenty-one years of age and have had a four-year high-school course or its equivalent, including either Physics or Chemistry. Unclassified students may take any courses for which their preparation fits them. The decision as to what constitutes adequate preparation rests with the instructors of courses elected. It is understood that the admission of unclassified students to the University is a privilege which will be terminated in the case of any individual, if at any time the Faculties have reason to believe that the best use is not being made of it.

SEQUENCES

Sequences in Household Administration may be chosen from the following courses:

Hygiene and Bacteriology 1, General Bacteriology; 3, Public Hygiene; Chemistry 4, Elementary Organic Chemistry; Sociology and Anthropology 5, The Family; Household Administration 10, Organization of the Retail Market; 11, Family Expenditures; 12, The Care of Needy Families in Their Homes; 20, Public Aspects of the Household; 21, The Legal and Economic Position of Women; 22, The Child and the State; 23, Problems in Household Administration; 40, The Modern Household; 42, House Sanitation; 43, Food Supplies and Dietaries; 44, Administration of the House; 45, 46, 47, Modern Problems in Household Administration; also courses in the Department of Home Economics and Household Art in the College of Education chosen with the approval of the instructors and of the Head of the Department of Household Administration.

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The Department recommends that students taking their principal sequence in Household Administration should pursue the following courses in introduction, and with the Dean's approval two of them may be included in the nine chosen to form the principal sequence:

Chemistry 2, 3, General Inorganic Chemistry; Physiology 1, 2, Elementary Physiology; Political Economy 1, 2, Principles of Political Economy; Political Science 1, Civil Government. The following courses will complete the sequence: Household Administration 40 or 44, 42, 43, 10, 11, 20, and two coherent courses selected from the recognized list.

SECONDARY SEQUENCES

I. Standards of Living

Political Economy 1, 2; Household Administration 40 or 44, 10, 11, 12, or 20 or 23.

II. The Household as a Social and Governmental Unit

Political Science 1, Household Administration 42, 40 or 44, 20, and any two of the following: Political Science 4, Sociology and Anthropology 5, Household Administration 12, 20, 22.

III. The Household from the Domestic Standpoint

Household Administration 42, 43, 40 or 44, 20, and two courses to be selected from Household Administration 10, 11, 12, 20, and the Department of Home Economics and Household Art in the College of Education.

COURSES OF INSTRUCTION

I. PRIMARILY FOR THE SENIOR COLLEGES

10. The Organization of the Retail Market.—M. Summer, Second Term, 7:10, ASSISTANT PROFESSOR BRECKINRIDGE.

11. Family Expenditures.—M. Summer, First Term, 7:10, ASSISTANT PROFESSOR BRECKINRIDGE.

12. The Care of Needy Families in Their Homes.—Mj. Spring, 8:10, ASSISTANT PROFESSOR BRECKINRIDGE.

20. Public Aspects of the Household.—Mj. ASSISTANT PROFESSOR BRECKINRIDGE. [Not given in 1917–18.]

21. The Legal and Economic Position of Women.—Mj. Summer, M. Either Term, 8:10, ASSISTANT PROFESSOR BRECKINRIDGE.

22. The Child and the State.—Mj. Autumn, 8:10, ASSISTANT PROFESSOR BRECKINRIDGE.

23. Problems in Household Administration.—ASSISTANT PROFESSOR BRECKINRIDGE. [Not given in 1917–18.]

30. Civilian War Relief, the Care of the Soldier's Family.—½Mj. Autumn Quarter. Hours to be arranged. ASSISTANT PROFESSOR BRECKINRIDGE.

40. The Modern Household.—Mj. Autumn, 10:45, PROFESSOR TALBOT. [Not given in 1917–18.]

42. House Sanitation.—Mj. Winter, 10:45, PROFESSOR TALBOT.

43. Food Supplies and Dietaries.—Mj. Spring, 10:45, PROFESSOR TALBOT.

44. Administration of the House.—Mj. PROFESSOR TALBOT. [Not given in 1917–18.]

48. The Household in War-Time.—Mj. Autumn, 10:45, PROFESSOR TALBOT.

II. PRIMARILY FOR THE GRADUATE SCHOOLS

45, 46, 47. Problems in Household Administration.—3Mjs. Autumn, Winter, and Spring, 2:30, PROFESSOR TALBOT.

50, 51, 52, 53. Special Research.—4Mjs. Summer, Autumn, Winter, and Spring, the INSTRUCTORS in the Department.

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THE DEPARTMENT OF COMPARATIVE RELIGION

OFFICER OF INSTRUCTION

GEORGE BURMAN FOSTER, A.M., PH.D., Professor of the Philosophy of Religion.

INTRODUCTORY

The work of the Department is devoted to (*a*) the history and psychology of religion, (*b*) the epistemology of religion, (*c*) the metaphysics of religion. In each of these divisions the history of the thought upon the subject is traced. The relation of religion to other sides of human experience is also studied.

Candidates for degrees in the Department should arrange their work in consultation with the instructor.

The rooms of the Department are in the Haskell Oriental Museum, where the collections of illustrative materials for the study of religions are gathered and arranged for the use of students. The Buckley collection of religious objects of Shinto and Japanese Buddhism, unequaled in America, affords a valuable body of material for the study of Ethnic Religion. Maps, photographs, casts, and a carefully selected library of the standard works, constantly enlarged by the addition of the newest books in the field, are at the disposal of students. The libraries and collections of the Departments of Oriental Languages, including Egyptology, Assyriology, etc., of Biblical Studies, of Church History, and of Theology, contained in the same building, greatly enlarge the working facilities of the Department.

COURSES OF INSTRUCTION

GROUP I

1. Outline History of Religion.—Mj. Summer, 1917; Winter, 1918, PROFESSOR FOSTER.

2. Outline Philosophy of Religion.—Mj. Summer, 1917, PROFESSOR FOSTER.

GROUP II

3. Psychology of Religion, I.—Individual. PROFESSOR FOSTER. [Not given in 1917–18.]

3. Psychology of Religion, II.—Social. Mj. Winter, 1918, PROFESSOR FOSTER.

GROUP III

4. Religion of Primitive Peoples.—Mj. PROFESSOR FOSTER. [Not given in 1917–18.]

5. The Egyptian and the Assyro-Babylonian Religions.—[Not given in 1917–18.]

6. Religions of the Indo-European Peoples, I.—Indian and Iranian. PROFESSOR FOSTER. [Not given in 1917–18.]

6. Religions of the Indo-European Peoples, II.—Greek and Roman. [Not given in 1917–18.]

7. Religions of China and Japan.—PROFESSOR FOSTER. [Not given in 1917–18.]

GROUP IV

8. Epistemology of Religion.—Spring, 1918, PROFESSOR FOSTER.

9. Metaphysics of Religion.—Mj. PROFESSOR FOSTER. [Not given in 1917–18.]

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10. History of Patristic and Scholastic Thought.—PROFESSOR FOSTER. [Not given in 1917–18.]

11. History of Protestant Thought Prior to Kant.—PROFESSOR FOSTER. [Not given in 1917–18.]

12. Kant's Philosophy of Religion.—Mj. PROFESSOR FOSTER. [Not given in 1917–18.]

13. Philosophy of Religion from Kant to Hegel.—PROFESSOR FOSTER.

14. Hegel's Philosophy of Religion.—Mj. PROFESSOR FOSTER. [Not given in 1917–18.]

15. Schleiermacher's "Glaubenslehre."—PROFESSOR FOSTER. [Not given in 1917–18.]

16. The Relation between Religion and Morality.—PROFESSOR FOSTER. [Not given in 1917–18.]

17. The Relation between Science and Religion.—Mj. Spring, 1918, PROFESSOR FOSTER.

18. The Relation between Religion and Art.—PROFESSOR FOSTER. [Not given in 1917–18.]

THE DEPARTMENT OF ORIENTAL LANGUAGES AND LITERATURES

OFFICERS OF INSTRUCTION

JAMES HENRY BREASTED, PH.D., Professor of Egyptology and Oriental History; Director of Haskell Oriental Museum; Chairman of the Department.

EMIL GUSTAV HIRSCH, A.M., D.D., LL.D., LITT.D., Professor of Rabbinical Literature and Philosophy.

IRA MAURICE PRICE, PH.D., LL.D., Professor of the Old Testament Language and Literature; Secretary of the Department.

HERBERT LOCKWOOD WILLETT, PH.D., Professor of the Old Testament Language and Literature.

JOHN MERLIN POWIS SMITH, PH.D., Professor of the Old Testament Language and Literature.

DANIEL DAVID LUCKENBILL, PH.D., Assistant Professor of the Semitic Languages and Literatures.

MARTIN SPRENGLING, PH.D., Assistant Professor of the Semitic Languages and Literatures.

SAMUEL NORTHRUP HARPER, A.B., Assistant Professor of Russian Language and Institutions.

ALEXANDER R. GORDON, LITT.D., Professor of Old Testament Literature and Exegesis, Presbyterian College, Montreal, Canada (Summer, 1917).

THOMAS GEORGE ALLEN, PH.D., Secretary of Haskell Oriental Museum (Summer 1917).

FELLOWS, 1917–18

GUSTAV ADOLF VON BRAUCHITSCH
WILLIAM FRANKLIN EDGERTON, A.B.
WILLIAM ANDREW IRWIN, A.B.
OVID ROGERS SELLERS, A.B., D.B.

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INTRODUCTORY

In the organization of this new department (founded April, 1915) practical reasons have governed, and a scientific classification has not been attempted. The scope of the organization has therefore been determined entirely by administrative convenience. The practical purpose of the new organization is to furnish administrative facilities for offering a wider range of oriental studies, to include in some measure both the larger Asiatic or Far Orient now so rapidly developing, and also the languages of Eastern Europe where it merges into the Near Orient, including especially Russian. To the old Department of Semitic Languages and Literatures, covering the historic civilizations of the Near Orient only, have thus been added the functions of an oriental seminary ultimately to include the Orient as a whole (except Sanskrit and Comparative Philology, which are naturally grouped with the classical languages). Thus far the old Department of Semitic Languages and Literatures forms the nucleus of the new organization, which for the present is made up of three sub-departments: (I) Sub-Department of Semitic Languages and Literatures; (II) Sub-Department of Egyptology; (III) Sub-Department of Russian Language and Institutions. To these, sub-departments of Chinese, Japanese, etc., may be added as circumstances may warrant.

I. SUB-DEPARTMENT OF SEMITIC LANGUAGES AND LITERATURES

HEBREW PHILOLOGY, LITERATURE, AND HISTORY

These courses are organized to meet the needs of various classes of students. In courses 60–79 is offered a wide choice for the undergraduate who wishes to secure as a part of his college training an intelligent appreciation of Hebrew life and thought, but cannot give the time necessary for a mastery of the Hebrew language. The professional student, looking toward the ministry or the teaching of undergraduates, finds in courses 80–123 opportunity for a thoroughgoing survey of the entire field of Hebrew civilization, in so far as that can be secured apart from a knowledge of the Hebrew language. The foundations of a scientific knowledge of Hebrew are laid in courses 1–16, while the principles and methods of critical and exegetical study are taught and practiced in courses 20–50. No courses in Old Testament Theology as such are organized, since it is felt that this material is better treated in the form of courses on the history of Hebrew religion, Nos. 80–89. Ample opportunity is furnished in the courses on Hebrew Philology, Literature, and History for specialization in Hebrew and Comparative Philology, in literary criticism, in exegetical methods, in historical methods, and in the study of Hebrew religion.

GENERAL HISTORY AND PHILOLOGY

The purpose of these courses is to familiarize the student with the history, civilization, and languages of the Hither-Orient, not only in their successive epochs, but also in their connection with the earliest civilization of the eastern Mediterranean. The history of Israel in particular is related to all the other civilizations of the Orient with which it came into contact, furnishing a historical background without which the full significance of Hebrew history cannot be

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discerned. At the same time the contributions of all the civilizations of the Hither-Orient, including Persia and the Hittites, to the later history of the world are defined and studied.

RABBINICAL LANGUAGE AND LITERATURE

In the Rabbinical Section work may be done that will meet the requirements of students intending to prepare for the Jewish ministry. It is believed that in connection with the courses in the Departments of Oriental Languages and Literatures, History, and Philosophy in this University candidates for the Jewish ministry may equip themselves adequately for their vocation.

BABYLONIAN-ASSYRIAN PHILOLOGY, LITERATURE, AND HISTORY

The courses of this section are arranged with a view to enabling the student to become thoroughly acquainted with the civilization commonly, though somewhat loosely, designated as Babylonian. In the vast quantity of Babylonian legal and business documents which have come down to us lies most of the material for a reconstruction of the economic and social history of the Near East. Constant attention will be given to the influence of this civilization upon Hebrew life and thought.

ARABIC PHILOLOGY, LITERATURE, AND HISTORY

The courses offered in Arabic are intended to cover quite minutely the grammar and syntax of the language, whether the work is done primarily for the help afforded the student of Hebrew or Assyrian or for a more detailed study of Arabic grammar for its own sake. Special attention is given to the Koran, and provision is also made for courses of an extended character in Arabic commentary, history, geography, and inscriptions. While the majority of students doubtless study Arabic for the light which it throws upon Hebrew grammar, it is believed that the field of Arabic literature is one which is more and more deserving of the attention of American students. Particular attention is given to the comparative aspects of Arabic grammar, both etymology and syntax.

II. SUB-DEPARTMENT OF EGYPTOLOGY

The increasing importance of a knowledge of Egyptian culture has kept even pace with the increasing evidence of the great rôle which Egypt played as the source of Mediterranean or Aegean civilization, leading to the culture of the Greeks. Without a study of Egypt the history of the eastern Mediterranean and of early civilization in general cannot be understood. The courses in Egyptology, while intended to give the student a full knowledge of Egyptian language and literature, are designed also to present the civilization of Egypt as a whole, especially with the idea of showing how Egypt, as the earliest great power on the Mediterranean, reveals the interrelations of early Mediterranean civilization with Palestine, Syria, the Hittites, and the Near Orient. The original materials accessible to the student here are unusually plentiful. They comprise: (1) the Egyptian collection of the Art Institute; (2) the collection of the Field Museum; (3) the collections in Haskell Oriental Museum.

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ARRANGEMENT OF WORK

Some acquaintance with the contents of the Old Testament is an essential part of a liberal education. Hence the Department seeks to provide work adapted to the needs of the general student of literature and history. Certain courses, therefore, e.g., 60–79, are organized especially for the non-theological student.

The work of the student of *Semitics* or *Hebrew Literature* ordinarily will be arranged according to one of six plans:

I. The preliminary work includes courses in the Hebrew language aggregating four majors. These courses, viz., (*a*) 1 and 2; (*b*) 3 or 4; (*c*) 5 or 9, (1) constitute the work in Hebrew prescribed for those students in the Graduate Divinity School who desire to secure a knowledge of the language, and (2) serve as the basis for more advanced work in the Semitic Languages and Literatures, or in the Old Testament Literature and History. Students who have already performed this work before entering the University of Chicago will receive credit for the same upon examination.

II. Candidates for the D.B. degree, with Old Testament as their major subject, are recommended to select from one of the following lists of courses: (*a*) 80, 81, 82, 83, 84, 86, 118, 119, 60, 61, 62, 63, 64, 65; (*b*) 1, 2, 3, 9, 12, 13, 20, 22, 23, 24, 26, 27, 28, 29, 30, 44; (*c*) 1, 2, 3, 9, 80, 81, 82, 83, 84, 22, 23, 24, 26, 30. Courses 80, 81, and 82 are prescribed for all candidates for the D.B. and Ph.D. degrees recommended by the Divinity School except those who have three or more courses in Hebrew.

III. Old Testament Literature and History, when presented as a secondary subject for a Doctor's degree, will be understood to include, in addition to the preliminary courses (viz., 1, 2, 3, or their equivalents), work amounting to six majors, which shall be systematically arranged and be approved by the Department. The student is recommended to select (1) three historical courses (viz., 80, 81, 82), with three courses in exegesis selected from the courses offered, or (2) work made up from courses 20–50.

IV. When a secondary subject is offered in Semitic Languages and Literatures, the student may select either Aramaic, Arabic, or Assyrian in an amount equal to at least nine majors, or he may choose any two of these, dividing his work between them as equally as possible.

V. Old Testament Literature and History, when presented as a principal subject, will be understood to include (1) a thorough knowledge of the Hebrew language, including syntax and lexicography, and a good acquaintance with biblical Aramaic and Syriac; (2) an ability to read any part of Hebrew literature; (3) a knowledge of Hebrew history in all its periods, and of ancient history, especially Egyptian, Assyro-Babylonian, Persian, and Greek in its bearing upon the Old Testament; (4) an acquaintance with the chronological development of Old Testament literature in its various forms of legislation, prophecy, and wisdom; also a knowledge of the origin and growth of the canon, of the text, and of the principles of Old Testament interpretation; (5) a familiarity with the history of the Hebrew religion and the development of the theological ideas of the Hebrews; (6) some familiarity with the rabbinical literature and a general acquaintance with New Testament literature, with special reference to the use made of the Old Testament in the New Testament.

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VI. When the student selects for his principal subject the Semitic languages, he will be expected to have gained a working knowledge of Aramaic, Assyrian, and Arabic, in addition to Hebrew. He will be permitted to lay special emphasis upon Hebrew, Arabic, Assyrian, or Egyptian, and in the special field which he thus selects the amount of work required will be determined in part by the character of the field itself, and also in part by the general scope of his work. In any case, work in comparative grammar and comparative lexicography will be expected. The total amount of work required for a degree cannot be stated in definite form.

The work of the graduate student of *Egyptology* may be arranged to meet the needs of the general student of Ancient History, Archaeology, Art, or Semitic Philology. In all these subjects an acquaintance with the Egyptian language and civilization is a far-reaching advantage hitherto but little understood. This is especially true in the fields of Ancient History and Art. When the subject is taken as a *minor* study, it should include not less than four majors, and should give the student a reading knowledge of Hieroglyphic and a general acquaintance with Egyptian civilization. An examination in Hieratic will not be required. When taken as a *major* study for the Doctor's degree, the student is expected to acquire an easy reading knowledge of Hieroglyphic, Hieratic, and Coptic as a basis for the independent use of the original documents. He may then specialize in History, Religion, Literature, Archaeology, or Art, and the available courses are or may be arranged accordingly.

No work is as yet arranged for students of the *Far Orient*. Instruction in Chinese may be had in the Correspondence-Study Department (for particulars address the Secretary of that Department).

COURSES OF INSTRUCTION

NOTE.—In this Department all courses are intended primarily for graduate and Divinity students, but some of them may be taken by Senior College students who are properly prepared.

I. SUB-DEPARTMENT OF SEMITIC LANGUAGES AND LITERATURES

PRESCRIBED COURSES

(For particulars as to these courses see the full list below)

80, 81, 82. General Survey of Old Testament Literature and History.

80. *Beginnings of Old Testament Literature and History.*—Autumn, 1917, 1918.

81. *History and Prophecy.*—Winter, 1918, 1919.

82. *History and Judaism.*—Summer, 1917; Spring, 1918.

I. HEBREW PHILOLOGY, LITERATURE, AND HISTORY

GROUP I. LINGUISTIC COURSES

1. Hebrew Language.—Mj. Summer, 1917, PROFESSOR WILLETT AND DR. ALLEN; Autumn, 1917, 1918, PROFESSOR PRICE.

2. Hebrew Language (continued).—Mj. Winter, 1918, 1919, PROFESSOR PRICE.

3. Historical Hebrew.—Mj. Spring, 1918, 1919, PROFESSOR PRICE.

4. Intermediate Hebrew.—Mj. Summer, 1917, PROFESSOR GORDON; Autumn, 1917, PROFESSOR WILLETT.

9. Prophetic Hebrew.—Mj. Spring, 1918, PROFESSOR WILLETT.

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12. Advanced Hebrew Grammar.—M. Summer, 1918, PROFESSOR PRICE.

13. Advanced Hebrew Grammar.—Syntax. M. Summer, 1918, PROFESSOR PRICE.

16. Textual Criticism.—Mj. Summer, 1917, PROFESSOR SMITH.

GROUP II. CRITICAL AND EXEGETICAL COURSES

I. Hebrew

20. Books of Kings and Their Parallel Assyrian Records.—Mj. PROFESSOR PRICE.

22. Isaiah, Chaps. 1–39.—Mj. Autumn, 1917, PROFESSOR PRICE.

23. Isaiah, Chaps. 40–66.—Mj. Winter, 1920, PROFESSOR SMITH.

24. Jeremiah.—Mj. Spring, 1919, PROFESSOR PRICE.

25. The Book of Amos.—M. Summer, 1917, PROFESSOR GORDON.

26. Ezekiel.—Mj. Spring, 1920, PROFESSOR PRICE.

27. Daniel.—M. PROFESSOR SMITH.

28. The Earlier Minor Prophets.—Mj. Spring, 1918, PROFESSOR SMITH.

29. The Later Minor Prophets.—Mj. Summer, 1919, PROFESSOR SMITH.

30. The Psalter.—Mj. Winter, 1918, PROFESSOR PRICE.

32. Hebrew Poetry and Poetics.—Mj. Autumn, 1918, PROFESSOR SMITH.

33. The Book of Ecclesiastes.—M. Summer, 1917, PROFESSOR GORDON.

44. Job.—Mj. Winter, 1919, PROFESSOR SMITH.

50. Seminar in Exegesis.—Mj. PROFESSOR SMITH.

II. English

60. Isaiah, Chaps. 1–39.—Mj. or 1½Mjs. PROFESSOR SMITH.

61. Isaiah, Chaps. 40–66.—Mj. or 1½Mjs. Winter, 1920, PROFESSOR SMITH.

62. Jeremiah.—Mj. or 1½Mjs. PROFESSOR WILLETT.

63. Ezekiel.—Mj. or 1½Mjs. Spring, 1919, PROFESSOR PRICE.

64. The Psalter.—Mj. Spring, 1919, PROFESSOR WILLETT.

65. The Book of Job.—Mj. or 1½Mjs. PROFESSOR SMITH.

66. The Development of Hebrew Literature.—Mj. Autumn, 1917, PROFESSOR WILLETT.

67. Hebrew Institutions.—Mj. Winter, 1918, PROFESSOR WILLETT.

68. Israel and the Neighboring Nations.—Mj. PROFESSOR WILLETT.

70. The Family in the Old Testament.—¼ or ½Mj. Spring, 1919, PROFESSOR PRICE.

73. The Moral Leaders of Israel.—¼ or ½Mj. PROFESSOR WILLETT.

74. Biblical Apocalyptic.—Summer, 1917, Second Term, ½Mj. PROFESSOR WILLETT.

76. The Literature of the Prophets.—¼ or ½Mj. PROFESSOR WILLETT.

76b. Moral Problems of the Old Testament.—¼Mj. Autumn, 1917, PROFESSOR WILLETT.

76d. Religion of the Prophets.—Mj. Spring, 1918, PROFESSOR WILLETT.

77. A Sketch of Old Testament History—Early Period.—Mj. PROFESSOR WILLETT.

78. A Sketch of Old Testament History—Later Period.—Mj. PROFESSOR WILLETT.

79. The Rise of Judaism.—Mj. PROFESSOR WILLETT.

79a. Old Testament Religion.—¼Mj. Winter, 1918, PROFESSOR WILLETT.

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GROUP III. OLD TESTAMENT INTRODUCTION, HISTORY, AND RELIGION

80–82. General Survey of Old Testament Literature and History.

80. *Beginnings of Old Testament Literature and History.*—Mj. Autumn, 1917, 1918, PROFESSOR SMITH.

81. *History and Prophecy.*—Mj. Winter, 1918, 1919, PROFESSOR SMITH.

82. *History and Judaism.*—Mj. Summer, 1917, and Spring, 1918, PROFESSOR SMITH.

87. Problems of the Religion of the Hebrews.—Seminar. Mj. PROFESSOR SMITH.

88. The Religion of Israel Prior to the Exile.—Mj. Autumn, 1917, PROFESSOR SMITH.

89. The Religion of Israel after the Exile.—Mj. Winter, 1918, PROFESSOR SMITH.

90. General Introduction to the Historical Cricitism of the Old Testament.—Mj. PROFESSOR WILLETT.

91. Methodology.—Mj. Spring, 1919, PROFESSOR PRICE.

95. Social Life in Ancient Israel.—Mj. Autumn, 1918, PROFESSOR PRICE.

96. Civil and Public Life in Ancient Israel.—Mj. Winter, 1919, PROFESSOR PRICE.

97. Religious Life in Ancient Israel.—Mj. Spring, 1919, PROFESSOR PRICE.

116. The Assyrian Period of the Hebrew History.—Mj. Autumn, 1918, ASSISTANT PROFESSOR LUCKENBILL.

117. The Early History of Syria and Palestine.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

II. GENERAL HISTORY AND PHILOLOGY

GROUP I. HISTORY

118. History of Antiquity I: From Prehistoric Times to the Oriental Empires, Down to 1600 B.C.—Mj. Autumn, 1917, 2:30, PROFESSOR BREASTED.

119. History of Antiquity II: The Oriental Empires, 1600 B.C. to Alexander the Great.—Mj. Winter, 1918, 2:30, PROFESSOR BREASTED.

120. Survey of the Ancient Orient from Prehistoric Times to Alexander the Great.—Mj. (given in Summer Quarter only) PROFESSOR BREASTED.

121. The Sources of Early Oriental History.—Mj. PROFESSOR BREASTED.

122. The Literature of the Early Orient.—Mj. Spring, PROFESSOR BREASTED.

123. History of Oriental Art from the Earliest Times to the Conquest of Alexander.—Mj. PROFESSOR BREASTED.

GROUP II. PHILOLOGY

130. The Elements of General Phonetics.—M. First Term, Summer, 1917 and 1918, ASSISTANT PROFESSOR SPRENGLING.

131. Experimental Phonetics.—Mj. ASSISTANT PROFESSOR SPRENGLING.

III. RABBINICAL LANGUAGE AND LITERATURE

Professor Emil G. Hirsch will, whenever need arises, conduct classes in the reading of modern Hebrew and in the study of the literature and life of ancient and modern Judaism.

IV. ARAMAIC PHILOLOGY, LITERATURE, AND HISTORY

160. Biblical and Contemporary Aramaic.—Mj. Spring, 1917, ASSISTANT PROFESSOR SPRENGLING; 1918, PROFESSOR PRICE.

164. Syriac Language.—Mj. Spring, 1918, ASSISTANT PROFESSOR SPRENGLING.

166. Advanced Syriac.—Mj. Autumn, 1919, PROFESSOR PRICE.

167. Kalilah and Dimnah.—Mj. ASSISTANT PROFESSOR SPRENGLING.

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V. BABYLONIAN-ASSYRIAN PHILOLOGY, LITERATURE, AND HISTORY

GROUP I. LINGUISTIC COURSES BASED UPON HISTORICAL TEXTS

170. Elementary Assyrian.—Mj. Summer, Autumn, 1917 and 1918, ASSISTANT PROFESSOR LUCKENBILL.

171. Assyrian Historical Inscriptions I: Inscriptions from the Later Period.—Winter, 1918, ASSISTANT PROFESSOR LUCKENBILL.

172. Assyrian Historical Inscriptions II: Inscriptions from the Early Period.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

175. Babylonian Historical Inscriptions I: Neo-Babylonian Inscriptions.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

176. Babylonian Historical Inscriptions II: Old Babylonian Inscriptions.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

177. Babylonian Chronicles and Eponym Lists.—M. ASSISTANT PROFESSOR LUCKENBILL.

GROUP II. BUSINESS, LEGAL, AND EPISTOLARY LITERATURE

180. The Code of Hammurabi.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

181. Babylonian and Assyrian Business and Legal Documents.—Mj. Summer, 1918, ASSISTANT PROFESSOR LUCKENBILL.

183. Babylonian and Assyrian Letters.—Mj. or DMj. ASSISTANT PROFESSOR LUCKENBILL.

GROUP III. RELIGIOUS AND LITERARY TEXTS

185. Assyrian and Babylonian Myths and Epics.—Mj. Autumn, 1917, ASSISTANT PROFESSOR LUCKENBILL.

186. Babylonian Psalms, Prayers, and Incantations.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

GROUP IV. SUMERIAN LANGUAGE AND LITERATURE

190. Elementary Sumerian.—Mj. Winter, 1918, ASSISTANT PROFESSOR LUCKENBILL.

191. The Great Cylinder Inscriptions A and B of Gudea.—Mj. Spring, 1919, PROFESSOR PRICE.

192. Sumerian Hymns, Psalms, and Liturgies.—Mj. Summer, 1917, ASSISTANT PROFESSOR LUCKENBILL.

193. Sumerian Historical Texts.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

194. Sumerian Business and Legal Documents.—Mj. ASSISTANT PROFESSOR LUCKENBILL.

GROUP V. HISTORY, RELIGION, AND ARCHAEOLOGY

196. The Religion of the Babylonians.—Mj. Autumn, 1917, ASSISTANT PROFESSOR LUCKENBILL.

197. The Economic and Social Development of the Babylonians and the Hebrews.—Mj. Summer, 1917, 1918, ASSISTANT PROFESSOR LUCKENBILL.

198. The Old Testament in the Light of the Babylonian Civilization.—Mj. or DMj. Winter, 1918, ASSISTANT PROFESSOR LUCKENBILL.

See also courses 116 and 117.

199. Seminar: Archaeology and Paleography.—Mj. or DMj. ASSISTANT PROFESSOR LUCKENBILL.

VI. ARABIC PHILOLOGY, LITERATURE, AND HISTORY

200. Beginning Arabic.—Mj. Summer and Autumn, 1917, Summer, 1918, ASSISTANT PROFESSOR SPRENGLING.

201. Intermediate Arabic.—Mj. Winter, 1918, ASSISTANT PROFESSOR SPRENGLING.

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202. Selected Suras of the Koran.—Mj. Summer, 1918, ASSISTANT PROFESSOR SPRENGLING.

203. Arabic Prose.—Mj. ASSISTANT PROFESSOR SPRENGLING.

204. The Bible in Arabic.—Mj. Winter, 1919, ASSISTANT PROFESSOR SPRENGLING.

206. Advanced Arabic Prose.—Mj. ASSISTANT PROFESSOR SPRENGLING.

207. Arabic Grammarians.—Mj. ASSISTANT PROFESSOR SPRENGLING.

208. Arabic Commentaries on the Koran.—Mj. ASSISTANT PROFESSOR SPRENGLING.

209. Arabic Fables.—M. Second Term, Summer, 1917, ASSISTANT PROFESSOR SPRENGLING.

210. Arabic Poetry.—Mj. ASSISTANT PROFESSOR SPRENGLING.

211. Arabian Nights.—Mj. Spring, 1918, ASSISTANT PROFESSOR SPRENGLING.

215. Mohammedanism.—Seminar. Mj. Summer, 1917, ASSISTANT PROFESSOR SPRENGLING.

216. History of the Moslem World to the Beginning of the Crusades.—Mj. Autumn, 1917, ASSISTANT PROFESSOR SPRENGLING.

218. History of the Crusades.—Mj. Winter, 1918, ASSISTANT PROFESSOR SPRENGLING.

220. History of the Moslem World from the Crusades to the Rise of the Ottoman Empire.—Mj. Spring, 1918, ASSISTANT PROFESSOR SPRENGLING.

230. Mohammedanism.—Mj. Winter, 1918, ASSISTANT PROFESSOR SPRENGLING.

II. SUB-DEPARTMENT OF EGYPTOLOGY

GROUP I. LANGUAGE AND HISTORY COURSES, INCLUDING COPTIC (FOR HIERATIC, SEE GROUP II)

250. Beginner's Hieroglyphic.—Mj. Autumn, 1917, 1918, PROFESSOR BREASTED.

252. Historical Inscriptions of the Middle Kingdom and Empire.—Mj. Winter, 1918, 1919, PROFESSOR BREASTED.

254. Historical Inscriptions of the Old Kingdom.—Mj. Spring, 1918, 1919, PROFESSOR BREASTED.

256. Historical Inscriptions of the Late Period, Including Persian and Ptolemaic Ages.—Mj. PROFESSOR BREASTED.

258. Beginner's Coptic.—M. PROFESSOR BREASTED.

260. Coptic Version of the Old Testament.—M. PROFESSOR BREASTED.

262. Egyptian History (Seminar).—Mj. PROFESSOR BREASTED.

See also courses on History of Antiquity (Nos. 118, 119).

GROUP II. EGYPTIAN LITERATURE, INCLUDING THE ACQUISITION OF HIERATIC

270. Introduction to Hieratic and Late Egyptian.—Mj. Spring, 1918, PROFESSOR BREASTED.

272. Egyptian Literature of Entertainment.—Mj. PROFESSOR BREASTED.

See also course on Oriental Literature (No. 122).

GROUP III. EGYPTIAN RELIGION AND THOUGHT (IN FOUR PERIODS)

280. The Pyramid Texts (First Period).—Mj. PROFESSOR BREASTED.

282. The Social Prophets and the Coffin Texts (Second Period).—Mj. PROFESSOR BREASTED.

284. The Monotheistic Revolution (Third Period).—Mj. PROFESSOR BREASTED.

286. Book of the Dead (Fourth Period).—Mj. PROFESSOR BREASTED.

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GROUP IV. EGYPTIAN ART, ARCHAEOLOGY, AND EPIGRAPHY

290. Egyptian Art and Archaeology.—Mj. PROFESSOR BREASTED.

292. The Inscriptions and the Monuments.—Mj. PROFESSOR BREASTED.

294. Egyptian Epigraphy.—M. PROFESSOR BREASTED.

III. SUB-DEPARTMENT OF RUSSIAN LANGUAGE AND INSTITUTIONS

SENIOR COLLEGE COURSES

301. Elementary Russian.—Mj. Autumn, 1917, 2:30, ASSISTANT PROFESSOR HARPER.

302. Intermediate Russian.—Mj. ASSISTANT PROFESSOR HARPER.

303. Advanced Russian.—Mj. ASSISTANT PROFESSOR HARPER.

310. The Political and Social Institutions of Russia.—Mj. ASSISTANT PROFESSOR HARPER.

312. The Development of Modern Russia.—Mj. Autumn, 1917, 1:30, ASSISTANT PROFESSOR HARPER.

320. The Russian Novel.—Mj. ———.

THE DEPARTMENT OF NEW TESTAMENT AND EARLY CHRISTIAN LITERATURE

OFFICERS OF INSTRUCTION

ERNEST DEWITT BURTON, D.D., Professor and Head of the Department of New Testament Literature and Interpretation.

EDGAR JOHNSON GOODSPEED, D.B., PH.D., Professor of Biblical and Patristic Greek; Assistant Director of Haskell Oriental Museum.

SHIRLEY JACKSON CASE, D.B., PH.D., Professor of Early Church History and New Testament Interpretation.

CLYDE WEBER VOTAW, D.B., PH.D., Professor of New Testament Literature.

FRED MERRIFIELD, D.B., Assistant Professor of New Testament History and Interpretation.

BENJAMIN WILLARD ROBINSON, D.B., PH.D., Iowa Professor of New Testament Literature and Interpretation, Chicago Theological Seminary.

FREDERIC OWEN NORTON, PH.D., Professor of Greek, Drake University (Summer, 1917).

FELLOWS, 1917–18

CLYO JACKSON, A.M.

CHARLES JAMES RITCHEY, A.M.

INTRODUCTORY

LINES OF STUDY

The Department of New Testament and Early Christian Literature offers courses in the Divinity School, in the Graduate School of Arts and Literature, and in the Senior Colleges. The aim of this Department is, by its various courses, to set forth as fully and clearly as possible the origin and early development of the Christian religion. Its work is purely historical, and, dealing with the history of thought as well as of events in the more objective sense, it includes

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the field of study sometimes designated as the Biblical Theology of the New Testament. It provides instruction in the following lines of investigation:

1. The historical environment of early Christianity: the conditions in the Jewish nation and in the Roman Empire at large amid which Jesus and his immediate followers did their work, the Christian church came into being, and the early Christian literature arose as a product of the religious life and needs of the Christian community.

2. The origin and history of the literature of the New Testament and early Christian period, including (*a*) Jewish literature of approximately the New Testament period, (*b*) the books of the New Testament, considered with reference to their origin, authorship, date, purpose, and plan, and (*c*) other ante-Nicene Christian literature.

3. The Greek of the New Testament and of other Greek literature closely related linguistically to the New Testament. In this division of the work opportunity is provided for the translation and grammatical study of the New Testament, of the Septuagint and other Greek versions of the Old Testament, of Jewish Greek literature nearly contemporaneous with the New Testament writings, and of early Christian Greek literature. The special aim of this portion of the work is, primarily, to give to all students the necessary linguistic foundation for the interpretation of the New Testament, and, secondarily, to afford to those who desire it an opportunity to lay a broad foundation for advanced original work in the various departments of New Testament study. A knowledge of classical Greek is presupposed. Students who lack this knowledge have opportunity to make the necessary preparation by taking courses in the Department of (classical) Greek.

4. The documents of the New Testament text and the theory and praxis of textual criticism as applied to them.

5. The interpretation of the New Testament, including: (*a*) Principles of interpretation, especially as applied to the New Testament. Instruction in these principles is given in connection with the actual work of interpretation on the part of the student, and is practical rather than theoretical. (*b*) Interpretation of the various New Testament books in accordance with the principles referred to above.

6. The Life of Jesus. It will be the endeavor of the instructors to make all the previously mentioned lines of study, especially as applied to the Gospels, contribute to the attainment and presentation of a true conception of the life and teaching of Jesus.

7. The History of the Early Years of the Christian Church. This subject, necessarily taken up in connection with 1, is also treated independently from the point of view of the rise of Christianity.

8. New Testament Theology: the teachings of Jesus and other early Christian teachers. Upon the basis of a knowledge of the life, especially the religious life, and thought of the period the effort is made to set forth in their genetic relation the ideas which constitute the central and governing elements of early Christianity.

9. The History of the New Testament, including (*a*) the history of manuscripts and versions; (*b*) the history of the canon; (*c*) the history of interpretation; (*d*) the history of criticism.

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GENERAL AIM

The work of the Department is planned with reference to the needs of three classes of students: (1) Those who seek a knowledge of the Bible and the early history of the Christian religion as a part of a liberal education, for its practical religious value, or as preparation for general Christian service. (2) Those who are preparing for the Christian ministry and expecting to be pastors or missionaries. (3) Those who are preparing to be teachers of the Bible or of the biblical languages, or instructors in other departments of theological study.

With a view to meeting the varied needs of these several classes, a wide range of courses is offered, and in a number of instances different courses are offered on the same subject, presupposing different degrees of preparation on the part of the student. Thus in the Life of Jesus and the Rise of Christianity two kinds of courses are offered, more elementary courses intended for undergraduates and other non-Divinity students and presupposing no advanced study of the New Testament, and more advanced courses intended for students who have already taken courses in the history of New Testament times, the origin and purpose of the New Testament books, and interpretation. Courses in interpretation are adapted to the needs of two classes of students, those who are able to use only the English text and those who are able to read the Greek text. The courses on the teachings of Jesus and other early Christian teachers are also of two classes, those in which the work of the student is done on the basis of the English version and those which presuppose courses with interpretation of the Greek text.

With a like purpose in mind, the relative emphasis on the impartation of the results of the instructors' investigation, the acquisition of information derived from other courses, and the training of the student to investigate for himself vary in different courses. But the courses as a whole are planned with a view to developing the student's own powers of investigation, and in most of them this is the result *directly* aimed at.

The courses intended especially for undergraduates and other non-Divinity students are placed by themselves at the end of the list. See section VI under "Courses of Instruction" (p. 178).

ARRANGEMENT OF WORK

THE PRESCRIBED COURSES

In order to gain a true insight into the meaning of the New Testament and the rise of the Christian religion, it is needful that the student should acquire early in his course a knowledge of the historical situation in which this religion had its origin and of the conditions of religious life and thought that gave occasion to the books of the New Testament. With a view to gaining this needful knowledge and securing a clear knowledge of the fundamental elements of the Christian religion at its inception, while also acquiring a right method of study, all students in the Divinity School who are candidates for the D.B. or Ph.D. degree are required in their second year to take courses 1, 2, and 71.

SEQUENCE COURSES FOR THE D.B. DEGREE

Those who wish to continue their study of the New Testament without the use of the Greek language are advised in their third year to select three or more

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courses from the following list: 51, 54, 55, 56, 58, 59, 60, 67, 69, 82, 91, 92, 93, preferably taking one course on a gospel, one on an epistle, and one in the teaching of the New Testament.

All students who wish to acquire a thorough knowledge of the New Testament are recommended to take course 43 in the second year of their course and thereafter to do their exegetical work on the basis of the Greek text, electing their courses from the foregoing list. Students who take course 43 in their second year may postpone course 71 to the third year.

WORK FOR THE MASTER'S DEGREE

Students who desire to obtain the A.M. degree in this Department are required to accomplish 8 majors of graduate work under the direction of the Head of the Department and to present an acceptable thesis. The 8 majors must, as a rule, include courses 1, 2, 43, one selected from courses 51 to 69 inclusive (in Greek), and 71 or 86.

SECONDARY WORK FOR THE DOCTOR'S DEGREE

Students of the Divinity School who make New Testament Interpretation and Theology their secondary subject for the Doctor's degree must complete work equivalent to not less than 9 majors, including courses 1, 2, and 43. The additional courses must be selected with reference to their relation to the student's principal subject, and must be approved by the Head of the New Testament Department. Such students must be familiar with the grammar and vocabulary of the Greek New Testament and must be able to read any portion of it.

Students of the Graduate School of Arts and Literature who elect their secondary subject for the Doctor's degree in this Department are required to complete work in this subject equivalent in the aggregate to not less than 9 majors, including courses 1, 2, and 43. The courses must be systematically arranged and must be approved by the Head of the Department. The student must be able to read the Septuagint version of the historical books of the Old Testament, any portion of the New Testament, and the Apostolic Fathers.

PRINCIPAL WORK FOR THE DOCTOR'S DEGREE

Students of the Divinity School who make New Testament Interpretation and Theology their principal subject for the Doctor's degree must acquire a reasonably thorough knowledge of the entire field covered by the Department, including all of the nine lines of study indicated above, and must become especially proficient in some one of these lines. In addition to the courses in the Old Testament required for the D.B. degree, a knowledge of Hebrew, such as can be acquired in 3 majors, may be required of students electing to specialize in certain portions of the field of the Department; also one major in Aramaic or one major in Syriac. The total amount of work required for the degree cannot be stated in majors and minors. The degree is granted only to those who give evidence of high attainments in the Department and of ability to be independent investigators.

Students of the Graduate School of Arts and Literature who choose their principal subject for the Doctor's degree in this Department must be proficient in Jewish and Roman History from 175 B.C. to 135 A.D. and must have a good acquaintance with the Jewish and Christian literature of this period and a

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thorough knowledge of the Greek of the Septuagint, the New Testament, and the Apostolic Fathers. They must be proficient in classical Greek and have at least an elementary knowledge of Comparative Indo-European grammar. A knowledge of Hebrew and Aramaic may also be required under conditions similar to those stated above.

THE NEW TESTAMENT CLUB

The New Testament Club holds meetings once a month for the review of current literature and the presentation of papers on subjects connected with New Testament study.

COURSES OF INSTRUCTION

PRESCRIBED COURSES

(For particulars as to these courses see the full list below)

A. IN THE DIVINITY SCHOOL

1. Beginnings of Christianity.—Mj. Autumn, 1917, 1918; Summer, 1918.

2. The Literature of the New Testament.—Mj. Winter, 1917, 1918, 1919; Summer, 1917.

71. The Teaching of Jesus.—Mj. Spring, 1918, 1919; Summer, 1918.

B. IN THE CHICAGO THEOLOGICAL SEMINARY

S2. Introduction to the New Testament.—Mj. Autumn, 1917, 1918.

S1. The World of Jesus and of Paul.—Mj. Winter, 1917, 1918, 1919.

S71. The Teaching of Jesus.—Mj. Summer, 1917; Spring, 1918, 1919.

I. HISTORY

1. Beginnings of Christianity.—Mj. Autumn, 1917, 1918, Summer, 1918, PROFESSOR CASE.

S1. The World of Jesus and Paul.—Mj. Winter, 1918, 1919, PROFESSOR ROBINSON (Chicago Theological Seminary).

2. The Literature of the New Testament.—Mj. Summer, 1917, PROFESSOR CASE; Winter, 1918, 1919, PROFESSOR GOODSPEED.

S2. Introduction to the New Testament.—Mj. Autumn, 1917, 1918, PROFESSOR ROBINSON (Chicago Theological Seminary).

5. The Life of Jesus.—Mj. Summer, 1918, PROFESSOR CASE.

S6. Problems in the Life of Christ.—Mj. Winter, 1919, PROFESSOR ROBINSON (Chicago Theological Seminary).

9. Early Christianity and the Roman State.—Mj. Autumn, 1917, PROFESSOR CASE.

10. Early Christianity and Contemporary Religions.—Mj. Winter, 1918, PROFESSOR CASE.

11. Early Christianity and Contemporary Philosophies.—Mj. Summer, 1917, PROFESSOR CASE. (Identical with Church History 7.)

S13. Life and Message of Paul.—Mj. Autumn, 1917, PROFESSOR ROBINSON (Chicago Theological Seminary).

14. Textual Criticism of the New Testament.—M. Second Term, Summer, 1917, Mj. Winter, 1919, PROFESSOR GOODSPEED.

16. The New Testament in the Second Century.—Mj. Autumn, 1917, PROFESSOR GOODSPEED.

18. New Testament Interpretation and Criticism.—Mj. Winter, 1918, PROFESSOR VOTAW.

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II. LITERATURE

24. Introduction to the Synoptic Gospels.—Mj. Autumn, 1917, PROFESSOR BURTON.

26. Introduction to the Gospel of John.—Mj. Autumn, 1918, PROFESSOR BURTON.

32. Jewish Literature of the New Testament Period.—Mj. Winter, 1919, PROFESSOR VOTAW.

36. Christian Literature to Eusebius.—Mj. Summer, 1918, PROFESSOR GOODSPEED.

39. The Apostolic Fathers.—M. Spring, 1919, PROFESSOR GOODSPEED.

40. The Apologists.—M. Spring, 1919, PROFESSOR GOODSPEED.

III. LANGUAGE

41. The Greek of the New Testament.—M. First Term, PROFESSOR NORTON.

42. Advanced Syntax of New Testament Greek.

43. The Greek of the New Testament Period.—Mj. Autumn, 1917, PROFESSOR GOODSPEED; Summer, 1918, PROFESSOR VOTAW.

44. The Greek of the Septuagint.—M. First Term, PROFESSOR NORTON.

50. Lexicographical Seminar.—Mj. PROFESSOR BURTON.

IV. INTERPRETATION

51. The Gospel of Matthew.—Mj. Winter, 1918, PROFESSOR GOODSPEED; Autumn, 1918, PROFESSOR BURTON.

54. The Gospel of Mark.—Mj. Summer, 1918, PROFESSOR GOODSPEED.

55. The Gospel of Luke.

S55. The Synoptic Gospels.—Mj. Autumn, 1918, PROFESSOR ROBINSON (Chicago Theological Seminary).

56. The Gospel of John.—Winter, 1919, PROFESSOR CASE.

S56. The Gospel of John.—Mj. Summer, 1917, Spring, 1918, 1919, PROFESSOR ROBINSON (Chicago Theological Seminary).

57. The Acts of the Apostles.

58. The Epistle to the Romans.—Mj. Autumn, 1919, PROFESSOR BURTON.

59. The Epistles to the Corinthians.—Autumn, 1917, PROFESSOR VOTAW; Spring, 1919, PROFESSOR GOODSPEED.

S59. The Epistles to the Corinthians.—Mj. PROFESSOR ROBINSON (Chicago Theological Seminary).

60. The Epistle to the Galatians.—Mj. PROFESSOR BURTON.

62. The Epistle to the Philippians.—M. First Term, Spring, 1918, PROFESSOR GOODSPEED.

63. The Epistle to the Colossians.—M. Second Term, Spring, 1918, PROFESSOR GOODSPEED.

64. The Epistles to the Thessalonians.—M. PROFESSOR GOODSPEED.

67. The Epistle to the Hebrews.—M. Second Term, Summer, 1917, PROFESSOR GOODSPEED.

69. The Apocalypse of John.—Mj. PROFESSOR CASE.

V. TEACHING

71. The Teaching of Jesus.—Mj. Spring, 1918, 1919, PROFESSOR BURTON; Summer, 1918, PROFESSOR VOTAW.

S71. The Teaching of Jesus.—Mj. Summer, 1917, Spring, 1918, 1919, PROFESSOR ROBINSON (Chicago Theological Seminary).

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73. The Theology of the Synoptic Gospels.—Mj. Spring, 1918, PROFESSOR BURTON.

74. The Theology of the Johannine Writings.—Mj. Spring, 1919, PROFESSOR BURTON.

S75. Sources of Power in Jesus' Parables.—Mj. Winter, 1918, PROFESSOR ROBINSON (Chicago Theological Seminary).

81. The Teaching of Paul.—Mj. Autumn, 1918, PROFESSOR VOTAW.

82. The Theology of the Apostle Paul.—Mj. Spring, 1920, PROFESSOR BURTON.

S83. The Mystical Element in Paul.—Mj. PROFESSOR ROBINSON (Chicago Theological Seminary).

91. The Ethical Teaching of the New Testament.—Mj. Winter, 1918, 1919, PROFESSOR VOTAW.

92. The Eschatology of the New Testament.—Mj. Autumn, 1918, PROFESSOR VOTAW.

93. The Christology of the New Testament.—Mj. Autumn, 1917, PROFESSOR VOTAW.

S96. Development of Doctrine within the New Testament Period.—Mj. PROFESSOR ROBINSON (Chicago Theological Seminary).

100. Research Work.—Every Quarter. PROFESSOR BURTON.

VI. BIBLICAL LITERATURE IN ENGLISH

For students in the Senior and Junior Colleges

101. The Origin of the Bible: The Books of the New Testament.—Mj. Summer, Autumn, 1917, Spring, 1919, ASSISTANT PROFESSOR MERRIFIELD.

106. The Life of Jesus.—Mj. Autumn, Winter, 1918, ASSISTANT PROFESSOR MERRIFIELD.

107. The Sermon on the Mount.—½Mj. ASSISTANT PROFESSOR MERRIFIELD.

109. The Rise of Christianity.—Mj. Winter, 1919, ASSISTANT PROFESSOR MERRIFIELD.

110A. The Religion of Paul.—M. Second Term, Summer, 1917, ASSISTANT PROFESSOR MERRIFIELD.

111. The Teaching of Jesus.—Mj. Spring, 1918, 1919, ASSISTANT PROFESSOR MERRIFIELD.

112. The Religion of Jesus.—M. First Term, Summer, 1917, ASSISTANT PROFESSOR MERRIFIELD.

113. Jesus and the Prophets.—Mj. Autumn, 1917, 1918, ASSISTANT PROFESSOR MERRIFIELD.

114. The Religious Teaching of the Fourth Gospel.—Mj. Winter, 1918, ASSISTANT PROFESSOR MERRIFIELD.

115. Christianity as a World-Religion.—Mj. Winter, 1919, ASSISTANT PROFESSOR MERRIFIELD.

116. Science and Christianity.—Mj. Spring, 1918, ASSISTANT PROFESSOR MERRIFIELD.

117. Modern Religious Problems.—ASSISTANT PROFESSOR MERRIFIELD.

118. The Essentials of Religion.—½Mj. Autumn, 1917, ASSISTANT PROFESSOR MERRIFIELD.

119. Christianity and Other Religions.—½Mj. Winter, 1919, ASSISTANT PROFESSOR MERRIFIELD.

122. The Religion of the New Testament.—½Mj. Autumn, 1918, ASSISTANT PROFESSOR MERRIFIELD.

123. Modern Religious Literature.—½Mj. Spring, 1918, ASSISTANT PROFESSOR MERRIFIELD.

124. How to Interpret the Bible.—½Mj. Winter, 1918, ASSISTANT PROFESSOR MERRIFIELD.

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GREEK; LATIN; COMPARATIVE PHILOLOGY, GENERAL LINGUISTICS, AND INDO-IRANIAN PHILOLOGY; AND THE HISTORY OF ART

DEGREES

Undergraduate study in these Departments forms part of the regular course for the Bachelor's degree. The following sequences have been arranged:

SEQUENCES IN LATIN AND GREEK

The Bachelor's degree is conferred when the student has completed 36 majors and has obtained at least 72 grade-points. These 36 majors shall include one principal sequence and one secondary sequence.

SEQUENCES FOR A.B. STUDENTS

The principal sequence consists of 11 majors of Latin and 9 majors of Greek (7 if all are taken in the University), including entrance work. So far as Latin is concerned, this sequence is completed when a student (who has entered with 4 units of Latin) has finished courses 4 (Cicero and Terence), 5 (Livy), and 6 (Horace). So far as Greek is concerned, the sequence is completed when a student who has entered with 3 units has finished courses 5, 6, and 7. In the case of students who begin Greek in college, the sequence will include courses 1–7.

The secondary sequence consists of 6 majors, which may be in Latin, Greek, a combination of Latin and Greek, or in any other subject approved by the Dean. For this sequence the Latin Department offers: 7 (Tibullus) or 10 (Ovid), 8 (Rapid-Reading Course) or 11 (Tacitus), 9 (Horace's *Epistles*) or 12 (Terence), followed by any three in the list headed "Senior College and Graduate Courses." The Greek Department offers courses 15 (Xenophon, *Hellenica*), 30 (Lyric Poetry), 39 (Herodotus). In the Department of the History of Art course 2 (Greek Art) and in the Department of History courses A12 (History of Greece) and A13 (the History of the Mediterranean World) will be accepted.

Students who wish to take their secondary sequence partly in Latin and partly in Greek should consult the departmental advisers.

Latin sequences for students other than those taking the A.B. course are as follows:

PRINCIPAL SEQUENCES

I. Latin: courses 4, 5, 6, 7 or 10, 8 or 11, 9 or 12, followed by any three in the list headed "Senior College and Graduate Courses."

II. Latin and Greek: Latin 4, 5, 6, 50, and two courses selected from 7–14, with three Greek college courses.

III. Latin and Classical Archaeology: Latin 4, 5, 6, 50, and two courses selected from 7–14, with History of Art 2, 5, and one other course chosen from 3–12.

IV. Latin and Sanskrit: Latin 4, 5, 6, 45, and two courses chosen from 7–12, followed by Sanskrit 10, 11, 12.

V. Latin and Comparative Philology: Latin 4, 5, 6, 45, and two courses chosen from 7–12; followed by three courses chosen from Comparative Philology 1–7, or from Comparative Philology 10, 11, German 103, 109, English 21; or by three courses chosen from German 81, 82, 91, 103–109; or by three courses chosen from English 21, 22, 23, 28, 33, 37; or by three courses chosen from French 101, 7, 41, 46, 47, 48, 83, 62.

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VI. Latin and Romance: Latin 4, 5, 6, 45, and two courses selected from 7–14, followed by three suitable courses in Romance approved by the departmental adviser.

VII. Latin and Romance, Teachers' Sequence: Latin 4, 5, 6, 45, and two courses selected from 7–14, followed by French 11 or 12, 40 or 42 or 43, and one other course approved by the departmental adviser.

VIII. Latin and German: Latin secondary sequence, followed by the first three in any sequence for German which the student is prepared to take.

IX. Latin and German, Teachers' Sequence: Latin 4, 5, 6, 45, and two courses chosen from 7–12, with German 97 or 98 and two other courses chosen from 81–101.

X. Latin and English: Latin secondary sequence, with three courses chosen from English 21, 22, 23, 28, 69, 70, 84.

XI. Latin and History: Latin secondary sequence, with three courses chosen from History A12, A13, A14, A15, A17.

SECONDARY SEQUENCES

Latin 4, 5, 6, 7 or 10, 8 or 11, 9 or 12.

In regard to Greek sequences for students other than those taking the A.B. course and for combinations of courses in Greek with courses in other departments, consult the departmental adviser.

COMPARATIVE PHILOLOGY

1, General Introduction to the Study of Language; 2, Comparative Grammar of Greek and Latin; 3, Exercises in Greek and Latin Historical Grammar; 6, Italic Dialects; 7, Greek Dialects; 10, Elementary Sanskrit; 11, Advanced Sanskrit; 12, Introduction to Vedic Study; 13, History of Sanskrit Literature; Germanic Languages: 103, Gothic; 104, Old High German; 108, Introduction to German Philology.

PRINCIPAL SEQUENCES

Courses 1, 2, 3, 6, 7, 10, 11, 12, 13.

Courses in Gothic and German Philology may be substituted for the later courses in the sequence, and various combinations with the work of other departments may be offered.

SECONDARY SEQUENCES

Sequences of six majors may be made by employing courses 1 and 2 and selecting the additional four majors from the remainder of the series, i.e., 1, 2, 3, 10, 11, 12; or 1, 2, 3, 6, or 7, 10, 13; or 1, 2, 10, 11, 12, 13.

HISTORY OF ART

Principal or secondary sequences may consist of any combination of courses in the Department; Philosophy 7 (Aesthetics) and course 12 in Aesthetic Education in the School of Education may be employed. Greek History may be taken in connection with Greek Art, Roman History with Roman Art, Italian Language and Literature and Italian History with Italian Art.

Graduate study in these Departments may lead to the degrees of Master of Arts and Doctor of Philosophy, under the conditions specified below.

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In addition to the general requirements for the higher degrees found on pp. 92–95 of this volume special requirements of the departments of this group are as follows:

THE MASTER'S DEGREE[1]

a) The subject of the thesis shall be submitted for approval to the head of the principal department at least three months before graduation.

b) The candidate shall present his thesis in complete form to the instructor under whose direction it has been written at least four weeks before the Convocation at which the candidate expects to receive his degree. The thesis shall be passed upon by the instructor in charge of it. If provisionally approved by him, it shall be typewritten, and in this form deposited by him with the departmental librarian at least ten days before the final examination. On depositing the thesis the instructor shall direct the librarian to send dated notices to all members of the departments concerned that the thesis will be on view for one week.

c) The examination will be partly oral and partly written. The written examination will precede the oral, and arrangements for it should be made with the heads of the departments concerned. The oral examination must be held not later than the second Friday preceding the Convocation at which the candidate expects to receive his degree.

THE DOCTOR'S DEGREE

a) The thesis shall be passed upon by a committee consisting of the instructor in charge of it and one other member appointed by the head of the department, and shall be deposited in typewritten form with the departmental librarian one month before the date of the final examination. The committee depositing the thesis shall request the librarian to send dated notices to all members of the departments concerned that the thesis is on view. The thesis shall remain on view two weeks.

b) The examination will be partly oral and partly written. The written examination will precede the oral, and arrangements for it should be made with the heads of the departments concerned. The oral examination must be held not later than the second Friday preceding the Convocation at which the candidate expects to receive his degree.

SUMMARY OF SENIOR COLLEGE AND GRADUATE COURSES IN GREEK, LATIN, COMPARATIVE PHILOLOGY, AND CLASSICAL ARCHAEOLOGY, 1917–18

SUMMER

8:10—*First Term:* 41, Economic History of Greece (Trever); 36, Pliny (Beeson).
Second Term: 41, Economic History of Greece (Trever); 24A, Cicero's Letters (Walker).

9:15—*First Term:* 18A, Thucydides (Bonner); 62, Palaeography (Beeson); 17, Kālidāsa (Clark).
Second Term: 39A, Herodotus (Castle); 48A, Caesar's Gallic Campaigns (Walker); 17, Kālidāsa (Clark).

[1] For supplementary regulations of the Latin Department, see pp. 190–91.

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10:45—*First Term:* 36, Plato, Minor Dialogues (Bonner); 61, Latin Novel (Prescott); 29, Virgil, *Aeneid* VII–XII (Miller); 1, General Introduction to the Study of Language (Buck).

Second Term: 30B, Lyric Poetry (Castle); 29, Virgil, *Aeneid* VII–XII (Miller); 61, Latin Novel (Prescott).

11:50—*First Term:* 34, Euripides (Prescott); 40, Ovid (Miller); 6, Italic Dialects (Buck).

Second Term: 34, Euripides (Prescott); 40, Ovid (Miller).

1:30—44A, Latin Composition (Knapp); 10, Sanskrit (Clark).

2:35—13, Teachers' Training Course (Carr); 68, Roman Satire (Knapp); 14, Religions of India (Clark).

AUTUMN

8:10—38, Juvenal (Beeson).

9:15—39, Herodotus (Castle); 83, Roman Religion (Laing); 10, Ovid (Miller).

10:45—31, Hellenistic Poetry (Prescott); 45, Teachers' Training Course (Hale); 2, Comparative Grammar (Buck); 2, Greek Art (Tarbell).

11:50—63, Latin Epic (Prescott); 10, Sanskrit (Buck); 3, Greek Life (Tarbell).

2:35—Cicero's Letters (Merrill).

3:40—37, Homer (Shorey); 82, Research in Roman History (Merrill).

4:40—Seminars: 57, Greek Tragedy (Shorey); Monday and Wednesday, 87, Catullus (Hale), Thursday.

WINTER

8:10—30, Lyric Poetry and Theocritus (Castle); 41, Prose of the Empire (Beeson).

9:15—18, Thucydides and Aristophanes (Bonner); 12, Terence (Prescott); 25, Cicero, *Tusculan Disputations* (Miller); 17, Kālidāsa (Clark).

10:45—51, Advanced Latin Syntax (Hale); 21, Lithuanian (Buck); 5, Roman Art (Tarbell).

11:50—21, Lucretius (Laing); 3, Exercises in Greek and Latin Grammar (Buck); 4, Ancient Athens, Olympia and Delphi (Tarbell).

1:30—11, Sanskrit (Clark).

2:35—34, Quintilian (Merrill); 15, Hindu Philosophy (Clark).

3:40—55, Homer in European Literature (Shorey).

4:40—Seminars: 58, Greek Tragedy (Shorey), Monday and Wednesday; 88, Catullus (Merrill), Friday; 96, Comparative Syntax (Hale), Thursday; 25, Indo-European Phonology and Morphology (Buck), Tuesday.

SPRING

8:10—62, Palaeography (Beeson).

9:15—22, Demosthenes (Bonner); 11, Tacitus (Laing); 19, Pali (Clark).

10:45—36, Pliny (Hale); 1, General Introduction to the Study of Language (Buck).

11:50—24, Hellenistic Epigram (Prescott); 29, Virgil, *Aeneid* VII–XII (Miller); 44, Writing of Latin (Laing).

1:30—12, Vedic (Clark).

2:30—23, Caesar's Civil War (Merrill); 16, History of India (Clark).

3:40—50, Introduction to Aristotle (Shorey); 32, Seneca, Selections (Merrill).

4:40—Seminars: 59, Greek Tragedy (Shorey), Monday and Wednesday; 89, Catullus (Prescott), Friday; 97, Comparative Syntax (Hale), Thursday.

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THE DEPARTMENT OF COMPARATIVE PHILOLOGY, GENERAL LINGUISTICS, AND INDO-IRANIAN PHILOLOGY

OFFICERS OF INSTRUCTION

CARL DARLING BUCK, PH.D., Head of the Department and Professor of Comparative Philology.

WALTER EUGENE CLARK, PH.D., Assistant Professor of Sanskrit.

FRANCIS ASBURY WOOD, PH.D., Professor of Germanic Philology.

FELLOW, 1917–18

KARL F. MUENZINGER, A.B.

INTRODUCTORY

The aims of the Department will be:

1. To furnish the requisite training for those intending to make Indo-European Philology their chief work. Instruction will be given in the most important branches of the family by means of courses which combine a practical introduction to the respective languages with lectures and exercises on their comparative grammar. Such courses are offered by this Department in Sanskrit, Avestan, Old Persian, Lithuanian, and Old Bulgarian, and by the English and German departments in Old English, Gothic, and Old High German. In Greek and Latin, of which a practical knowledge is presupposed, the work will be entirely grammatical, consisting of lectures and exercises of the comparative grammar of Greek and Latin, and the Greek and Italic dialects. For work in the comparative syntax of Greek and Latin the program of the Department of Latin is to be consulted.

2. To provide for a systematic course of study in Indic Philology. The courses offered are designed to provide for the needs alike of students who turn to Sanskrit for the better understanding of Indo-European language and civilization and of those who are interested especially in the contributions of India to religious and philosophical thought. Provision is made for a consecutive course of study extending over three years.

3. To act as an auxiliary to the Greek and Latin departments by furnishing instruction in the comparative grammar of the classical languages and in the Greek and Italic dialects. Courses 1 and 2 will also be adapted to students in the Germanic and English departments who are engaged chiefly in linguistic work.

4. To provide a brief introductory course, such as will be of value to the general student.

COURSES AVAILABLE FOR SEQUENCES

1, General Introduction to the Study of Language; 2, Comparative Grammar of Greek and Latin; 3, Exercises in Greek and Latin Historical Grammar; 6, Italic dialects; 7, Greek dialects; 10, Elementary Sanskrit; 11, Advanced Sanskrit; 12, Introduction to Vedic Study; 13, History of Sanskrit Literature; Germanic Languages: 103, Gothic; 104, Old High German; 108, Introduction to German Philology.

PRINCIPAL SEQUENCES

Courses 1, 2, 3, 6, 7, 10, 11, 12, 13.

Courses in Gothic and German Philology may be substituted for the later courses in the sequence, and various combinations with the work of other departments may be offered.

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SECONDARY SEQUENCES

Sequences of six majors may be made by employing courses 1 and 2 and selecting the additional four majors from the remainder of the series, i.e., 1, 2, 3, 10, 11, 12; or 1, 2, 3, 6, or 7, 10, 13; or 1, 2, 10, 11, 12, 13.

The work of the Summer Quarter is intended to meet the wants of teachers of Greek and Latin who desire an insight into the methods of comparative grammar and an elementary knowledge of Sanskrit.

COURSES OF INSTRUCTION

NOTE.—Courses 1–7 and 10–15 are Senior College and graduate courses; all others are graduate only.

1. General Introduction to the Study of Language.—M. Summer, First Term, 10:45; Mj. Spring, 10:45, PROFESSOR BUCK.

2. Outlines of the Comparative Grammar of Greek and Latin (Sounds and Inflections).—Mj. Autumn, 10:45, PROFESSOR BUCK.

3. Exercises in Greek and Latin Historical Grammar Based on the Study of Selected Inscriptions.—Mj. or M. Winter, 11:50, PROFESSOR BUCK.

4. Historical Latin Grammar. [Not given in 1917–18.]

6. Italic Dialects.—M. Summer, First Term, 11:50, PROFESSOR BUCK.

7. Greek Dialects.—[Not given in 1917–18.]

10. Sanskrit (elementary course.)—Mj. Summer, 1:30, ASSISTANT PROFESSOR CLARK; Autumn, 11:50, PROFESSOR BUCK.

11. Sanskrit.—Mj. Winter, 1:30, ASSISTANT PROFESSOR CLARK.

12. Introduction to Vedic Study.—Mj. Spring, 1:30, ASSISTANT PROFESSOR CLARK.

13. History of Sanskrit Literature.—Mj. ASSISTANT PROFESSOR CLARK. [Not given in 1917–18.]

14. The Religions of India.—Mj. Summer, 2:35, ASSISTANT PROFESSOR CLARK.

15. Hindu Philosophy.—Mj. Winter, 2:35, ASSISTANT PROFESSOR CLARK.

16. History of India.—Mj. Spring, 2:35, ASSISTANT PROFESSOR CLARK.

17. Kālidāsa: "Çakuntalā."—Mj. Summer, 9:15, Winter, 9:15, ASSISTANT PROFESSOR CLARK.

18. Kālidāsa: "Raghuvaṁça."—Mj. ASSISTANT PROFESSOR CLARK. [Not given in 1917–18.]

19. Pali.—Mj. Spring, 9:15, ASSISTANT PROFESSOR CLARK.

20. Avestan (and Old Persian). [Not given in 1917–18.]

21. Lithuanian and Church Slavonic.—Mj. Winter, 10:45, PROFESSOR BUCK.

25. Seminar.—Mj. Winter, Tu., 4:40–6:40, PROFESSOR BUCK.

26. Vedic Seminar.—Mj. ASSISTANT PROFESSOR CLARK. [Not given in 1917–18.]

Attention is called to the following courses:

IN THE DEPARTMENT OF LATIN

96, 97. Seminar: The Comparative Syntax of Latin and Greek.—2Mjs. Winter and Spring, Th., 4:40–6:50, PROFESSOR HALE.

IN THE DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES

103. Gothic.—Mj. Summer, 1:30, Mj. Winter, 1:30, PROFESSOR WOOD.

104. Old High German.—Mj. Winter, 1:30, PROFESSOR WOOD.

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108. Lectures on Germanic Philology.—Mj. Autumn, 2:35, PROFESSOR WOOD.

109. Old Saxon.—Mj. Summer, 2:35, PROFESSOR WOOD.

113. Old Frisian.—Mj. Spring, 2:35, PROFESSOR WOOD.

251. Seminar: Problems in Germanic Philology.—Mj. Summer, Winter, 3:35–5:35, PROFESSOR WOOD.

IN THE DEPARTMENT OF ENGLISH

21. Old English (elementary).—Mj. Summer, 9:15, ASSISTANT PROFESSOR HULBERT, and Autumn, 9:15, ASSISTANT PROFESSOR KNOTT.

THE DEPARTMENT OF THE GREEK LANGUAGE AND LITERATURE

OFFICERS OF INSTRUCTION

PAUL SHOREY, PH.D., LL.D., LITT.D., Professor and Head of the Department of the Greek Language and Literature.

FRANK BIGELOW TARBELL, PH.D., Professor of Classical Archaeology.

ROBERT JOHNSON BONNER, PH.D., Professor of Greek.

HENRY WASHINGTON PRESCOTT, PH.D., Professor of Classical Philology.

CLARENCE FASSETT CASTLE, PH.D., Associate Professor of Greek.

ROY BATCHELDER NELSON, A.B., Assistant in Greek.

ALBERT AUGUSTUS TREVER, PH.D., Professor of Greek, Lawrence College (Summer, 1917).

WILLIAM DUDLEY WOODHEAD, A.M., Assistant Professor of Greek, University of Alberta (Summer, 1917).

FELLOWS, 1917–18

VERNON COOK, A.M.

IDA CAPEN FLEMING, A.M.

MARGARET BROWN O'CONNOR, A.M.

JOHN WILSON TAYLOR, A.M.

INTRODUCTORY

Ability to read Greek with accuracy and ease and intelligent enjoyment of the masterpieces of Greek literature are the indispensable prerequisites of all higher Greek scholarship. All other interests that may attach to the study are subordinate to these, and their pursuit is positively harmful if it prematurely distracts the student's attention from his main purpose.

In the work of the Junior Colleges the Department will keep this principle steadily in view, and will endeavor to teach a practical knowledge of Greek vocabulary and idiom, and to impart literary and historic culture by means of rapid *viva voce* translation and interpretation of the simpler masterpieces of the literature. The authors especially studied will be Homer, Xenophon's *Memorabilia* and *Hellenica*, with two or three of the minor Platonic dialogues, a few of the easier Greek orations, selections from Herodotus and Thucydides, and several Greek plays. In the Senior Colleges the chief stress will still be laid on reading and exegesis, but the range of authors presented to the student's choice will be

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enlarged to include Pindar and Bacchylides, further study of the drama, Theocritus and the Greek lyric poets, the Attic orators, Thucydides, Aristotle, and Plato. Special courses will also be given in archaeology, epigraphy, private and public antiquities, and literary history.

SEQUENCES

The Department of Greek offers a sequence of three courses in the Junior College which serves as an introduction to Greek Epic, Dramatic and Philosophic Literature. In the Senior College a number of more advanced courses in the same fields are offered as well as courses in the orators and historians. From these courses students in both Junior and Senior Colleges may select sequences to suit their individual tastes and preparation with the advice of the Head of the Department.[1]

The ultimate aim of the graduate work is to train finished scholars, teachers, and investigators. Great pains will be taken, however, to avoid the too common error of hurrying into investigation students who lack the indispensable preliminary knowledge of the Greek language and literature. The Department will make a distinct effort to provide for the needs of students of this type. The opportunities of the Senior Colleges will be open to them, and suitable graduate courses are provided for them; they will also be admitted to the seminar as listeners and, to the extent of their ability, as active participants, on condition that they at the same time pursue special auxiliary courses of reading organized for them in connection with the seminar.

Candidates for the Doctor's degree in Greek (and where Greek is the major subject Latin must be offered as the minor) will be expected to show, in addition to an intimate knowledge of the principles of the two languages and facility in using them, a familiarity with Greek and Roman history, the history of Greek and Latin Literature, and a special knowledge of a chosen author or authors in each language. When Greek is taken as the major subject, special stress will be laid on range and accuracy of reading, and on the quality of the dissertation.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

Four elementary courses are offered for two classes of students: (*a*) those who enter college without receiving full credit for the preparatory work in Greek, and (*b*) those who desire to begin Greek in the college and proceed to the A.B. degree. The latter class of students will ordinarily satisfy the requirements in Greek for the A.B. degree by courses 1, 2, 3, 4, 5, 6, 7, but course 4 may be omitted by those who read at least 12 books of the *Odyssey* in connection with course 6. In this way the full requirements may be satisfied by *six* courses.

1. Elementary Greek.—Mj. Summer, 8:10, MR. NELSON; Autumn, 10:45, PROFESSOR BONNER; Winter, 10:45, MR. NELSON.

2. Xenophon: "Anabasis."—Mj. Summer, 9:15, ASSISTANT PROFESSOR WOODHEAD; Winter, 10:45, PROFESSOR BONNER; Spring, 10:45, MR. ———.

3. Xenophon: "Anabasis" (continued).—Mj. Autumn, 9:15, PROFESSOR BONNER; Spring, 10:45, MR. NELSON.

[1] Candidates for the A.B. degree are not obliged to pursue sequences in addition to the required 11 majors of Latin and 9 majors of Greek (inclusive of high-school work), but their attention is called to this announcement of the Classical Department.

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4. Homer: "Iliad" (elementary course).—Mj. Summer, 10:45; Autumn, 10:45; Winter, 11:50, MR. NELSON.

5. Plato: "Apology" and "Crito"; Xenophon: "Memorabilia"; Exercises in the Writing of Greek.—Mj. Summer, 8:10, ASSISTANT PROFESSOR WOODHEAD; Autumn, 11:50, MR. NELSON; Winter, 9:15, MR. ———; Spring, 11:50, MR. NELSON.

6. Homer: "Odyssey."—Mj. Summer, 10:45, ASSISTANT PROFESSOR WOODHEAD; Autumn, 9:15, MR. ———; Winter, 10:45, PROFESSOR PRESCOTT; Spring, 10:45, PROFESSOR BONNER.

7. Introduction to Greek Tragedy.—Mj. Summer, 11:50, MR. NELSON; Autumn, 8:10; Winter, 9:15, ASSOCIATE PROFESSOR CASTLE; Spring, 8:10, MR. NELSON.

II. SENIOR COLLEGE AND GRADUATE COURSES

NOTE.—For sequences in Greek see p. 186.

15. Xenophon: "Hellenica."—Mj. PROFESSOR BONNER. [Not given in 1917–18.]

16. Greek Composition.—Mj. PROFESSOR BONNER. [Not given in 1917–18.[

17. Lysias.—Mj. ASSOCIATE PROFESSOR CASTLE. [Not given in 1917–18.]

18. Thucydides and Aristophanes.—Mj. Winter, 9:15, PROFESSOR BONNER.

18A. Thucydides.—M. Summer, First Term, 9:15, PROFESSOR BONNER.

19. Research Course in Greek History.—Mj. PROFESSOR BONNER. [Not given in 1917–18.]

20. Aristotle: "Constitution of Athens."—Mj. PROFESSOR BONNER. [Not given in 1917–18.]

21. Attic Orators.—Mj. PROFESSOR BONNER. [Not given in 1917–18.]

22. Isaeus and the Private Orations of Demosthenes.—Mj. Spring, 9:15, PROFESSOR BONNER.

23. Demosthenes.—Mj. ASSOCIATE PROFESSOR CASTLE. [Not given in 1917–18.]

24. Hellenistic Epigram.—Mj. Spring, 11:50, PROFESSOR PRESCOTT.

25. The Hellenistic Epic.—Mj. PROFESSOR PRESCOTT. [Not given in 1917–18.]

26. Greek Comedy.—Mj. PROFESSOR PRESCOTT. [Not given in 1917–18.]

27. Pindar and Bacchylides.—Mj. PROFESSOR SHOREY. [Not given in 1917–18.]

28. Aeschylus.—Mj. PROFESSOR SHOREY. [Not given in 1917–18.]

29. Plato: "The Republic."—Mj. PROFESSOR SHOREY. [Not given in 1917–18.]

30. Lyric Poets and Theocritus.—Mj. Winter, 8:10, ASSOCIATE PROFESSOR CASTLE.

30B. Lyric Poets.—M. Summer, Second Term, 10:45, ASSOCIATE PROFESSOR CASTLE.

31. Hellenistic Poetry.—Mj. Autumn, 10:45, PROFESSOR PRESCOTT.

32. Hesiod, and Homeric Hymns.—Mj. ASSOCIATE PROFESSOR CASTLE. [Not given in 1917–18.]

33. Sophocles.—Mj. PROFESSOR SHOREY. [Not given in 1917–18.]

34. Euripides.—Mj. Summer, 11:50, PROFESSOR PRESCOTT.

35. The History of Greek Comedy.—Mj. PROFESSOR PRESCOTT. [Not given in 1917–18.]

36. Plato.—M. Summer, First Term, 10:45, PROFESSOR BONNER.

37. Homer.—Mj. Autumn, 3:40, PROFESSOR SHOREY.

38. Homer and the Homeric Age.—Mj. ASSOCIATE PROFESSOR CASTLE. [Not given in 1917–18.]

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39. Herodotus.—M. Summer, Second Term, 9:15; Mj. Autumn, 9:15, Associate Professor Castle.

40. Lyric Poetry.—Mj. Professor Prescott. [Not given in 1917–18.]

41. Economic History of Greece.—Mj. Summer, 8:10, Professor Treyer.

44. The Hellenistic Mime.—Mj. Professor Prescott. [Not given in 1917–18.]

47. Greek Inscriptions.—Mj. Professor Tarbell. [Not given in 1917–18.]

47A. Greek Historical Inscriptions.—Mj. Professor Bonner. [Not given in 1917–18.]

48. Pausanias.—Mj. Professor Tarbell. [Not given in 1917–18.]

49. The Platonism of the Italian Renaissance and Its Influence upon French and English Literature.—Mj. Professor Shorey. [Not given in 1917–18.]

50. Introduction to the Study of Aristotle.—Mj. Spring, 3:40, Professor Shorey.

51. Introduction to Post-Aristotelian Philosophy.—Mj. Professor Shorey. [Not given in 1917–18.]

52. Virgil and Homer.—M. Professor Shorey. [Not given in 1917–18.]

53. Shakespeare and the Classics.—M. Professor Shorey. [Not given in 1917–18.]

54. Literary Criticism of the Ancients.—Mj. Professor Shorey. [Not given in 1917–18.]

55. Homer in European Literature and Culture.—Mj. Winter, 3:40, Professor Shorey.

57, 58, 59. Seminar: Greek Tragedy.—3Mjs. Autumn, Winter, and Spring Quarters, Monday and Wednesday, 4:40–6:40, Professor Shorey.

63, 64, 65. Seminar: Plato.—3Mjs. Professor Shorey. [Not given in 1917–18.]

66, 67, 68. Seminar: Homer.—3Mjs. Professor Shorey. [Not given in 1917–18.]

Attention is called to the following courses:

IN THE DEPARTMENT OF LATIN

96, 97. Seminar: Comparative Syntax of Latin and Greek.—2Mjs. Winter and Spring, Th., 4:40–6:40, Professor Hale.

IN THE DEPARTMENT OF SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY

1. General Introduction to the Study of Language.—M. Summer, First Term, 10:30; Mj. Spring, 10:45, Professor Buck.

2. Outlines of the Comparative Grammar of Greek and Latin (Sounds and Inflections).—Mj. Autumn, 10:45, Professor Buck.

3. Exercises in Greek and Latin Historical Grammar Based on the Study of Selected Inscriptions.—Mj. Winter, 11:50, Professor Buck.

IN THE DEPARTMENT OF THE HISTORY OF ART

2. Greek Art.—Mj. Autumn, 10:45, Professor Tarbell.

3. Greek Life from the Monuments.—Mj. Autumn, 11:50, Professor Tarbell.

4. Ancient Athens.—Mj. Winter, 11:50, Professor Tarbell.

IN THE DEPARTMENT OF HISTORY

A12. The History of Greece.—Mj. Autumn, 9:15, Assistant Professor Huth.

A13. The History of the Mediterranean World.—Mj. Winter, 9:15, Assistant Professor Huth.

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THE DEPARTMENT OF THE LATIN LANGUAGE AND LITERATURE

OFFICERS OF INSTRUCTION

WILLIAM GARDNER HALE, A.B., LL.D., Professor and Head of the Department of the Latin Language and Literature.
CHARLES CHANDLER, A.M., Professor Emeritus of Latin.
FRANK JUSTUS MILLER, PH.D., LL.D., Professor of Latin.
ELMER TRUESDELL MERRILL, M.A., LL.D., Professor of Latin.
GORDON JENNINGS LAING, PH.D., Professor of Latin.
HENRY WASHINGTON PRESCOTT, PH.D., Professor of Classical Philology.
CHARLES HENRY BEESON, PH.D., Associate Professor of Latin.

CHARLES KNAPP, PH.D., Professor of Latin, Columbia University (Summer, 1917).
ARTHUR TAPPAN WALKER, PH.D., University of Kansas (Summer, 1917).
ALICE FREDA BRÄUNLICH, PH.D., Instructor in Classics, Frances Shimer Academy (Summer, 1917).

FELLOWS, 1917–18

ERNEST WOODRUFF DELCAMP, A.M. EVA MAY NEWMAN, A.M.
JOHN ANDREW RICE, JR., A.B.

INTRODUCTORY

The aims of the Department of Latin are as follows:

1. To develop the power of rapid and intelligent reading in the Roman order, and without translating.

In connection with this aim, but also for its independent value as a means of educating the higher literary taste, provision is made for practice in the writing of Latin: first, in connection with the work of the Junior Colleges, and, later, in Senior College courses.

2. To offer a wide range of reading in the important authors.

3. To provide for the systematic study of the life of the people in its various aspects—political, legal, social, religious, etc.—through special courses in Roman History, Roman Politics, Roman Private Life, Roman Religion, Roman Philosophy, and Roman Oratory. In addition, courses in Greek and Roman Art have been provided by the Department of the History of Art and a course in Roman Law by the Department of Political Science.

4. To offer to students whose tastes lead in the direction of the historical side of the literature opportunities for the study of selected portions of Roman History from the sources.

5. To provide a systematic treatment of Latin syntax, with some study of methods of proof, either as equipment for teaching in universities or schools or as introductory to special research courses. This treatment is provided for in course 45.

6. To offer advance courses—conducted partly by lectures, partly by practical exercises, and partly by work in the seminars—in the interpretation of Latin literature and in the study of the historical development of literary types; in the study of the earliest existing remains of the language; in the interpretation of inscriptions; in the reading of facsimiles of manuscripts and the treatment of

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problems of textual criticism; in the critical study of selected portions of some author; and in the comparative study of Greek and Latin syntax and the investigation of unsettled problems in this field. Provision is also made by the Department of Comparative Philology for courses in the Italic dialects and in Latin grammar on the side of sounds and inflections.

7. To offer special opportunities for training to students who take up the teaching of Latin as a profession. These opportunities are increased by the resources presented by the School of Education.

Three kinds of courses are arranged: (1) Courses in the study of the teaching of particular years, or parts of years, of the high-school course, with participation in this teaching, under the eyes of the instructor. (2) More summarized courses in the individual authors taught in the high school. The work will be supplemented by visits to the corresponding classes in the School of Education (see course 46). (3) More general courses, one in matters necessarily underlying all teaching of Latin, such as pronunciation, syntax, word-order, and the application of the knowledge of these subjects in acquiring power to read (see course 45), the other, a broader course dealing with matters with which all teachers should have some degree of familiarity (see course 47).

Most students who are beginning graduate work will find it advisable to take further reading-courses before electing courses of a more technical character. The work of the seminars can be done with most profit by those who have already spent a year or more in graduate study at the University.

All graduate courses and the Senior College courses numbered above 14 are accepted as work leading to a higher degree.

The following departmental regulations supplement the general regulations in cases of candidacy for the Master's degree in Latin.

A student looking forward to candidacy for the Master's degree in Latin may consult in the first instance any instructor in the Department. It is advisable that this consultation be held in the first quarter of graduate residence. The instructor will refer the case to the committee of the Department on the Master's degree.

If the intention of candidacy is approved by this committee, the Head of the Department will assign to the student an Official Adviser, under whose general charge and direction will fall the guidance of the student in the choice of courses taken for the degree (under the general regulations of the University and the supplementary regulations of the Department) and the preparation of the required dissertation. Such choice of courses and selection of a dissertation subject must also be finally approved by the Head of the Department before the applicant be admitted to candidacy.

The dissertation in completed form must be examined and passed upon by the candidate's Official Adviser and by one other instructor in the Department, to be designated for the purpose in each case by the Head of the Department.

Candidates for the Master's degree are required to pass the regular class examinations in the eight major courses presented for the degree at the conclusion of the respective courses, and to maintain in each course a standing no lower than grade C (according to the standard set for undergraduates), and to maintain in the entire group of eight courses an average standing no lower than grade B.

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Candidates for the Master's degree are also required to pass a satisfactory final examination not later than ten days before the Convocation at which the degree is conferred. This examination is partly written and partly oral. The written examination will precede the oral, and will test the ability of the candidate to translate Latin prose and poetry into English and English prose into Latin. The oral examination will test the candidate's specific knowledge of the immediate field of his dissertation and his acquaintance with two of the eight major courses presented by him for the degree. The designation of these two courses will be made, and the candidate informed thereof, by the aforesaid committee in consultation with the candidate's Official Adviser two months before the examination is to be held.

Candidates for the degree of Ph.D. in Latin and Greek (when Latin is the principal subject, Greek must be offered as a secondary subject) will be expected to show, besides an intimate knowledge of the principles of the two languages and facility in using them, a familiarity with Greek and Roman history and the history of Greek and Latin literature, and a special knowledge of a chosen author or authors in each language.

For candidates for higher degrees who desire to do a part of their work in Sanskrit and Indo-European Comparative Philology, or in the Romance languages, arrangements may be made, upon consultation with the Head of the Latin department, whereby a certain moderate amount of work in these subjects will be accepted in place of a corresponding amount in Latin. In special cases certain linguistic courses in English or Germanics may be similarly accepted.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

1A. Cicero: "Orations."—Mj. Autumn, 8:10, MR. ———.

1B. Cicero: "Orations" (continued).—Mj. Winter, 8:10, MR. ———.

2A. Virgil: "Aeneid."—Mj. Spring, 11:50, MR. ———.

2B. Virgil: "Aeneid" (continued).—Mj. Autumn, 11:50, MR. ———.

4. Cicero: "De senectute"; Terence: "Phormio."—Mj. Summer, 9:15, DR. BRÄUNLICH; Autumn, 8:10, PROFESSOR MILLER, and 11:50, ASSOCIATE PROFESSOR BEESON; Winter, 9:15, PROFESSOR LAING.

5. Livy, Books XXI and XXII, and Selections from Books I and II.—Mj. Winter, 8:10, PROFESSOR MILLER, and 11:50, ASSOCIATE PROFESSOR BEESON; Spring, 8:10, PROFESSOR LAING.

6. Horace: "Odes"; Mackail's "Latin Literature."—Mj. Summer, 10:45, DR. BRÄUNLICH; Autumn, 8:10, PROFESSOR LAING; Spring, 8:10, PROFESSOR MILLER; 11:50, ASSOCIATE PROFESSOR BEESON.

Courses 4, 5, and 6 are required of all candidates for the degree of A.B.

II. JUNIOR AND SENIOR COLLEGE COURSES

NOTE.—Prerequisite for any of the courses under this head: courses 4, 5, and 6. Courses 7–14 are not open to graduate students for credit toward a higher degree.

7. Tibullus; Ovid: "Fasti."—Mj. PROFESSOR MILLER. [Not given in 1917–18.]

8. Rapid-Reading Course: Sallust: "Catiline"; Phaedrus; Aulus Gelius.—Mj. ASSOCIATE PROFESSOR BEESON. [Not given in 1917–18.]

9. Horace: "Epistles."—Mj. PROFESSOR HALE. [Not given in 1917–18.]

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10. Ovid: Selections from the "Epistulae," "Amores," "Fasti," "Metamorphoses," and "Tristia."—Mj. Autumn, 9:15, PROFESSOR MILLER.

11. Tacitus: the "Dialogus," "Agricola," and "Germania."—Mj. Spring, 9:15, PROFESSOR LAING.

12. Terence.—Mj. Winter, 9:15, PROFESSOR PRESCOTT.

13. The Teaching of Latin: First Year.—Mj. Summer and Spring, 2:35, MR. CARR.

14. The Teaching of Latin: Caesar.—MR. CARR. [Not given in 1917–18.]

III. SENIOR COLLEGE AND GRADUATE COURSES

20. Plautus.—Mj. PROFESSOR PRESCOTT. [Not given in 1917–18.]

21. Lucretius.—Mj. Winter, 11:50, PROFESSOR LAING.

22. Catullus.—Mj. PROFESSOR MERRILL. [Not given in 1917–18.]

23. Caesar: "Civil War."—Mj. Spring, 2:35, PROFESSOR MERRILL.

24. Cicero: "Letters."—Mj. Autumn, 2:35, PROFESSOR MERRILL.

24A. Cicero: "Letters."—M. Summer, Second Term, 8:10, PROFESSOR WALKER.

25. Cicero: "Tusculan Disputations."—Mj. Winter, 9:15, PROFESSOR MILLER.

27. Virgil: "Eclogues"; Later Pastoral Poetry.—Mj. PROFESSOR PRESCOTT. [Not given in 1917–18.]

29. Virgil: "Aeneid," Books VII–XII.—Mj. Summer, 10:45, Spring, 11:50, PROFESSOR MILLER.

30. Horace: "Satires"; Persius.—Mj. PROFESSOR MILLER. [Not given in 1917–18.]

31. Ovid: "Metamorphoses."—Mj. PROFESSOR PRESCOTT. [Not given in 1917–18.]

32. Seneca: Selections from the Prose Writings.—Mj. Spring, 3:40, PROFESSOR MERRILL.

33. Seneca: "Tragedies."—Mj. PROFESSOR MILLER. [Not given in 1917–18.]

34. Quintilian: "Institutes," Book X.—Mj. Winter, 2:35, PROFESSOR MERRILL.

35. Martial.—Mj. PROFESSOR PRESCOTT. [Not given in 1917–18.]

36. Pliny the Younger: "Letters."—M. Summer, First Term, 8:10, ASSOCIATE PROFESSOR BEESON; Mj. Spring, 10:45, PROFESSOR HALE.

37. Tacitus.—M. Summer, Second Term, 9:00, PROFESSOR LAING; Mj. PROFESSOR MERRILL. [Not given in 1917–18.]

38. Juvenal.—Mj. Autumn, 8:10, ASSOCIATE PROFESSOR BEESON.

40. Ovid: "Metamorphoses."—Mj. Summer, 11:50, PROFESSOR MILLER.

41. Prose of the Early Empire.—Mj. Winter, 8:10, ASSOCIATE PROFESSOR BEESON.

42. Church Latin.—Mj. ASSOCIATE PROFESSOR BEESON. [Not given in 1917–18.]

43. Latin Hymns.—Mj. PROFESSOR MERRILL. [Not given in 1917–18.]

44. The Writing of Latin: Exercises in Latin Style.—Mj. Spring, 11:50, PROFESSOR LAING.

44A. Latin Prose Composition.—Mj. Summer, 1:30, PROFESSOR KNAPP.

45. Teachers' Training Course.—Mj. Autumn, 10:45, PROFESSOR HALE.

46. Teachers' Training Course in Virgil.—Mj. PROFESSOR MILLER. [Not given in 1917–18.]

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47. General Course for Teachers.—Mj. Associate Professor Beeson. [Not given in 1917–18.]

48. Caesar's Commentaries on the Gallic War.—Mj. Associate Professor Beeson. [Not given in 1917–18.]

48A. Caesar's Gallic Campaigns.—Summer, Second Term, 9:15, Professor Walker.

49. Roman Public Life.—Mj. Professor Merrill. [Not given in 1917–18.]

50. Roman Private Life.—Mj. Professor Laing. [Not given in 1917–18.]

51. Advanced Latin Syntax.—Mj. Winter, 10:45, Professor Hale.

IV. GRADUATE COURSES

Note.—Advanced Senior College students may be admitted, by special permission of the instructor, to the courses numbered 60–67.

60. The Latin Epic in the Silver Age.—Mj. Professor Prescott. [Not given in 1917–18.]

61. The Latin Novel: Appuleus.—Mj. Summer, 10:45, Professor Prescott.

62. Introduction to Latin Paleography.—M. Summer, First Term, 9:15, Associate Professor Beeson; Mj. Spring, 8:10, Associate Professor Beeson.

63. The Technique of the Latin Epic.—Mj. Autumn, 11:50, Professor Prescott.

64. Early Roman History.—Mj. Professor Merrill. [Not given in 1917–18.]

65. The Early Years of the Reign of Nero.—Mj. Professor Merrill. [Not given in 1917–18.]

66. Petronius, and Colloquial Latin.—Mj. Associate Professor Beeson. [Not given in 1917–18.]

67. Roman Sepulchral Poetry.—Mj. Professor Miller. [Not given in 1917–18.]

68. Roman Satire.—Mj. Summer, 2:35, Professor Knapp.

70. Roman Comedy.—Mj. Professor Prescott. [Not given in 1917–18.]

71. Introduction to the Critical Study of Plautus.—Mj. Professor Prescott. [Not given in 1917–18.]

72, 73. Research Course in Catullus.—2Mjs. Professor Hale. [Not given in 1917–18.]

76. Research Course in Virgil's "Aeneid."—Mj. Professor Prescott. [Not given in 1917–18.]

77. Latin Elegy: Propertius.—Mj. Professor Prescott. [Not given in 1917–18.]

79. A History of Latin Poetry Down to the Early Middle Ages.—Mj. Professor Prescott. [Not given in 1917–18.]

80. The History of Latin Literature in the Early Middle Ages.—Mj. Associate Professor Beeson. [Not given in 1917–18.]

81. The History of Latin Philology in the Middle Ages.—Mj. Associate Professor Beeson. [Not given in 1917–18.]

82. Research Course in Roman History.—Mj. Autumn, 3:40, Professor Merrill.

83. Roman Religion.—Mj. Autumn, 9:15, Professor Laing.

84. Early Latin.—Mj. Associate Professor Beeson. [Not given in 1917–18.]

85. Introduction to Latin Inscriptions.—Mj. Professor Laing. [Not given in 1917–18.]

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87, 88, 89. Seminar.

A. Roman Comedy.—3Mjs. Autumn, ASSOCIATE PROFESSOR BEESON; Winter, PROFESSOR LAING; Spring, PROFESSOR PRESCOTT. [Not given in 1917–18.]

B. Catullus.—3Mjs. Autumn, Th., 4:40, PROFESSOR HALE; Winter, Fr., 4:40, PROFESSOR MERRILL; Spring, Fr., 4:40, PROFESSOR PRESCOTT.

90, 91, 92. Seminar: "Letters" of the Younger Pliny.—3Mjs. PROFESSOR MERRILL. [Not given in 1917–18.]

93, 94, 95. Seminar: "Letters" of Cicero.—3Mjs. PROFESSOR MERRILL. [Not given in 1917–18.]

96, 97. Seminar: Comparative Syntax of the Latin and Greek Moods and Cases.—2Mjs. Winter and Spring, Th., 4:40–6:40, PROFESSOR HALE.

Attention is called to the following courses:

IN THE DEPARTMENT OF SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY

1. General Introduction to the Study of Language.—M. Summer, First Term, 10:45; Mj. Spring, 10:45, PROFESSOR BUCK.

2. Outlines of the Comparative Grammar of Greek and Latin (Sounds and Inflections).—Mj. Autumn, 10:45, PROFESSOR BUCK.

3. Exercises in Greek and Latin Historical Grammar Based on the Study of Selected Inscriptions.—Mj. Winter, 11:50, PROFESSOR BUCK.

6. Italic Dialects.—M. Summer, First Term, 11:50.

IN THE DEPARTMENT OF THE HISTORY OF ART

5. Roman Art.—Mj. Winter, 10:45, PROFESSOR TARBELL.

IN THE DEPARTMENT OF HISTORY

A13. History of the Mediterranean World.—Mj. Winter, 9:15, ASSISTANT PROFESSOR HUTH.

A15. The End of the Roman Republic.—Mj. Winter, 2:35, ASSISTANT PROFESSOR HUTH.

ROMANCE, GERMAN, ENGLISH, AND GENERAL LITERATURE

FACILITIES

The libraries of the departments of the Modern Language Group contain about 50,000 volumes. The Germanic library has been greatly enriched by the acquisition of the collection of eighteenth-century books (about 9,000 volumes) formed by Professor Michael Bernays and presented to the University by Mr. Julius Rosenwald, while the English Department has purchased a considerable number of rare and interesting English books, principally of the seventeenth and eighteenth centuries, but including many first editions of works by Browning, Matthew Arnold, Swinburne, and others. The libraries receive regularly the principal periodicals devoted to research in the modern languages and literatures. Other periodicals of scarcely less importance for students of this group are easily accessible in the libraries of the Classical, the Philosophical, and the Historical groups, while those of a more general nature are to be found in the General Library. Many rare and valuable books, not in any of the University libraries, are accessible in the Chicago Public Library, which contains about 750,000 volumes, and the Newberry Library, which contains about 400,000 volumes.

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MODERN LANGUAGES AND LITERATURES

Students of the modern languages have long recognized the necessity of a knowledge of languages related to that forming their special object of study; and students of literature are coming more and more to a recognition of the intimate interrelations of the literatures of Western Europe in mediaeval as well as in modern times. Many causes operated in the Middle Ages to transport from one country to another ideas and literary themes and forms, and literary, religious, and philosophical movements; while in modern times no important intellectual impulse is confined to the country of its origin. It seems desirable therefore to add to the programs of study designed more definitely for specialists in a single department of the Modern Language Group suggestions for more comprehensive courses, giving fuller recognition to the solidarity of mediaeval and of modern civilization.

The following groups of courses are recommended to students in the Senior Colleges who elect their principal sequences in modern languages, and to candidates for the higher degrees who wish to specialize in: I. Modern Languages, II. Mediaeval Literature, III. Renaissance Literature, IV. Modern Literature. The subgroups classify the courses according to whether it is desired to put the principal emphasis upon studies in Romance Philology, Germanic Philology, or English.

I. Sequences in modern philology:

English 21, 22, 23, 25, 26, 27, 34, 35, 37, 170.
Romance 40, 41, 42, 43, 44, 51, 57, 75, 76, 77, 78, C53, C57, C59, C60, D51.
German 103, 104, 105, 108, 112, 113, 251–252, 253.
Comparative Philology 1.

II. Sequences devoted to the study of special periods:

MEDIAEVAL LITERATURE

English 26, 27, 28, 29, 37, 39, 83, 91, 175.
Romance 57, 65, 75, 76, 77, B21, B22, B23, C53, C58, C59, C60, D51.
German 141A, 141B, 146, 147, 161, 162, 184, 260.

THE RENAISSANCE

English 42, 43, 52, 54, 69, 70, 75, 84.
Romance 14, 15, 17, 24, 31, 32, 66, 67, B24, B25, C27, C31, C51.
German 204, 264, 275.

CLASSICISM AND ROMANTICISM

English 44, 46, 47, 57, 76, 102A, 160A, 160B, 161A.
Romance 18, 24, 25, 26, 27, 28, 35, 39, 59, 60, 61, 68, B35.
German 30, 42, 44, 49, 52, 58, 264, 275.

RECENT LITERATURE

English 47, 48, 49, 76, 130, 141, 160B.
Romance 16, 18, 35, B26, B36, C15, C35.
German 43, 54, 182, 204, 218.

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III. Sequences devoted to the study of special forms:

THE DRAMA

English 52, 54, 70A, B, 73, 83, 84, 85, 86A, 89.
Romance 14, 15, 16, 19, 66, C15, C31.
German 43, 44, 54, 162, 260, 275.
General Literature 10.

Students should note the quarters and hours in which these courses are given. Advice should be sought from the representative of the department in which the student is chiefly interested.

THE DEPARTMENT OF ROMANCE LANGUAGES AND LITERATURES

OFFICERS OF INSTRUCTION

WILLIAM ALBERT NITZE, PH.D., Professor and Head of the Department of Romance Languages and Literatures.
KARL PIETSCH, PH.D., Professor of Romance Philology.
THOMAS ATKINSON JENKINS, PH.D., Professor of French Philology.
ERNEST HATCH WILKINS, PH.D., Professor of Romance Languages.
ELIZABETH WALLACE, S.B., Associate Professor of French Literature.
EDWIN PRESTON DARGAN, PH.D., Associate Professor of French Literature.
GEORGE TYLER NORTHUP, PH.D., Associate Professor of Spanish Literature.
HENRI CHARLES EDOUARD DAVID, A.M., Associate Professor of French Literature.
THEODORE LEE NEFF, PH.D., Assistant Professor of French.
ALGERNON COLEMAN, PH.D., Assistant Professor of French.
RUDOLPH ALTROCCHI, PH.D., Assistant Professor of Romance Languages.
*RALPH EMERSON HOUSE, PH.D., Assistant Professor of Romance Languages.
ANTONIO HERAS Y ZAMORANO, LICENCIADO EN DERECHO, Visiting Assistant Professor of Spanish.
FRANCK LOUIS SCHOELL, AGRÉGÉ DES LETTRES, Instructor in Romance Languages.
CLARENCE EDWARD PARMENTER, A.M., Instructor in Romance Languages.
FRANK H. ABBOT, A.M., Instructor in French.
JAMES KESSLER, A. M., Instructor in French.
JOHN ALAN CHILD, A.B., Instructor in French.

MARIN LAMESLÉE, A.M., Professor of Romance Languages, Tulane University (Summer, 1917).
CLARENCE ELDREDGE LEAVENWORTH, A.M., Professor of Romance Languages, Wabash College (Summer, 1917).
ALBERT SCHINZ, PH.D., Professor of French Literature, Smith College (Summer, 1917).
BERT EDWARD YOUNG, PH.D., Professor of Romance Languages, Vanderbilt University (Summer, 1917).

* Resigned.

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FELLOWS, 1917–18

NEMOURS HONORÉ CLEMENT, A.M. ROBERT VALENTINE MERRILL, A.B.
JAY KARL DITCHY, A.M. KATHARINE DENISE WOLLASTINE, PH.B.

INTRODUCTORY

JUNIOR COLLEGE

The *Junior College* provides elementary and intermediate instruction in French, Italian, and Spanish. Students who have completed commendably the courses in French, Italian, or Spanish, and who have made good use of auxiliary opportunities, may expect to possess a good pronunciation and accurate reading knowledge of the language and an acquaintance with the more important modern authors.

The attention of students who wish to have more practice in spoken French than may be had in the regular Junior College courses is called to course 7.

A *Senior College Scholarship* in Romance is annually awarded at the June Convocation to a student who has received the Junior College certificate within the year then ending. The award is based upon (1) standing in the courses taken in the Romance Department, and (2) a special examination held in May upon these courses. Detailed information may be obtained from the Departmental Examiner.

SENIOR COLLEGE

In the *Senior College* courses the student is introduced to the masterpieces of classic and modern French literature; at the same time he is given practice in speaking and writing French. Some of these courses are conducted in French. In addition, the student may also elect courses in Italian or Spanish.

A *Graduate Scholarship* in Romance is annually awarded at the June Convocation to a student who has received the Bachelor's degree from the University of Chicago within the year then ending. The award is based upon (1) standing in five or more College courses taken in the Romance Department, and (2) a special examination held in May upon these courses. Detailed information may be obtained from the Departmental Examiner.

SEQUENCES

(See Course Book, § 10)

Undergraduates who elect principal or secondary sequences in Romance are to choose courses from the list of *Courses Available for Sequences* given below. Special sequences are suggested just below that list. Courses 1, 2, 3, and 4 may not be counted in a sequence. A student presenting three units of entrance credit will begin the sequence with course 6; a student presenting four units of entrance credit will begin the sequence with course 11 or course 14 (or 15 or 16 or 17). All sequences must have the approval of the Departmental Adviser.

COURSES AVAILABLE FOR SEQUENCES

5, Advanced French; 6, Advanced French (continued); 7, Exercices Oraux; 11, Modern French Grammar; 12, Cours de style; 14, Molière; 15, Tragédie classique; 16, La Comédie au XIX^{e} siècle; 17, Les Moralistes au XVII^{e} siècle; 18, Introduction to Nineteenth Century Fiction; 19 (20), Survey of French

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Literature; 21, Problems of Teaching French; 24, Le Classicisme; 25, La Réaction contre le classicisme; 26, Le Mouvement romantique; 27, L'Avènement du romantisme; 28, The Novel in the Romantic Period; 31, Marot to Montaigne; 32, Montaigne to Malherbe; 35, Nineteenth-Century Poetry; 39, Victor Hugo, poète lyrique (Summer); 40, Practical Phonetics; 41, General Phonetics; 42, History of the French Language; 43, Romance Versification; 44, Middle French.

B1, Elementary Italian; B2, Elementary Italian (continued); B3, Intermediate Italian; B11, Advanced Italian; B21, B22, B23, Dante; B24, B25, B26, Italian Literature since Dante; B35, Leopardi (Summer); B36, Carducci (Summer).

C1, Elementary Spanish;[1] C2, Elementary Spanish (continued); C3, Intermediate Spanish; C4, Advanced Spanish; C11, Elementary Spanish;[1] C12, Intermediate Spanish; C15, Modern Spanish Drama; C16, Introduction to the Spanish Classics; C21, Problems of Teaching Spanish; C22, Composición y conversación (Summer); C24, Survey of Spanish Literature; C26, La poesía lírica castellana (Summer); C27, The Picaresque Novel; C31, The Classic Spanish Drama; C35, La literatura contemporánea (Summer).

SUGGESTED PRINCIPAL SEQUENCES

a) French Language: 5, 6, 7, 11, 12, 19 (20), 40 (41), 42, and as many courses from 14, 15, 16, 17, 24, 25, 26, 27, 28, 43, 44 as are needed to complete the sequence.

b) French Literature: 5, 6, 12, 14, 15 or 16 or 17 or 18, 19 (20), 24 and 25, or 26 and 27, and two courses from 28, 31, 32, 35, 43.

c) Teachers' Sequence: 5, 6, 7, 11, 12, 14, 15 or 16 or 17, 19 (20), 21, 40 (41), and as many courses from 24, 25, 26, 27, 28, 31, 32, 35, 43 as are needed to complete the sequence.

d) French and Italian: 5, 6, 11, 19 (20), and as many French courses from those listed for sequences *a*), *b*), and *c*) as are needed to make up six majors of French; B1, B2, B3.

e) French and Spanish: 5, 6, 11, 19 (20), and as many French courses from those listed for sequences *a*), *b*), and *c*) as are needed to make up six majors of French; C1, C2, C3, or C11,[1] C12, C15.

Romance-History, Romance-Latin, Romance-German, Romance-English: three suitable courses in the Departments of History, Latin Language and Literature, Germanic Languages and Literatures, or English Language and Literature may be substituted for the more advanced courses in sequences *a*), *b*), *c*).

See also the *Combined Sequences in the Modern Language Group* listed on pp. 195–96.

SUGGESTED SECONDARY SEQUENCES

a) French Language: 5, 6, 7, 11, 12, 19 (20), and two courses from 40 (41), 42, 43.

b) French Literature: 5, 6, 14 or 15 or 16 or 17 or 18, 19 (20), and two courses from 24, 25, 26, 27, 28, 31, 32, 35.

c) Italian: B1, B2, B3, B11, followed by B22 and B23, or by B25 and B26.

d) Spanish: C1, C2, C3, C4, C15, C16, or C11,[1] C12, C16, C24, C27, C31.

[1] Junior College students will take C1, C2, and C3, and Senior College students C11 and C12, unless other arrangement is made with the Departmental Examiner.

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GRADUATE SCHOOL

In the *Graduate School* the instruction consists mainly of courses the object of which is to put students in possession of the results already achieved in Romance linguistics and the history of the Romance literatures. The first-year graduate studies correspond in a general way to the requirements for the "specialist" Master's degree; they are planned to meet the needs of those who are preparing to occupy positions which provide elementary and intermediate instruction in French, Italian, or Spanish. In the second and third years of graduate studies the aim is to impart to students, along with much necessary information, an appreciation of sound methods of dealing with linguistic and literary facts and theories. This appreciation once reached, and granted the needed industry and enthusiasm, the student may attempt research work with good chance of success.

To be admitted as candidates for either of the higher degrees, students must furnish evidence of (*a*) preparation equal to three years' work in modern French (or 9 majors); (*b*) a reading knowledge of either Italian or Spanish.

The Master's degree.—For the general conditions of candidacy for this degree see p. 92 in this volume. The special requirements are: (*a*) courses 21, 24 (or 25 or 26 or 27 or 28), 31 (or 32), 40 (or 41), 59 (or 60 or 61), 76, a course in Italian literature or in Spanish literature, and one additional graduate course; (*b*) a satisfactory essay or dissertation upon a subject approved by the Head of the Department; this must be presented at least eight weeks before the Convocation at which the candidate expects to receive the degree.

The Doctor's degree.—For the general conditions see p. 93. With *Romance as secondary subject* 9 majors are in general required, to be selected from the regular graduate courses, after conference with the Head of the Department. At least one graduate major shall be in Italian or Spanish. With *Romance as principal subject* the minimum requirements are: (*a*) 8 majors in the French language, 4 majors in modern French literature, 1 major in Italian, 1 major in Spanish, and 4 additional majors in either Italian or Spanish; (*b*) a satisfactory dissertation upon a subject which shall have been approved by the Head of the Department at least twelve months before the proposed date of the final examinations; the dissertation must be presented in a form practically complete at least four months before the Convocation at which the candidate expects to receive the degree.

Candidates for the degree of Doctor of Philosophy who desire to specialize in modern French literature may reverse the proportions of linguistic and literary courses in French indicated above; that is, such candidates are required to complete at least 4 majors in the French language (see courses 41, 42, 76, 77). Course D51 (Provençal), course 1 of the Department of Comparative Philology, General Linguistics, and Indo-Iranian Philology (General Introduction to the Study of Language), and course 66 of the Department of the Latin Language and Literature (Colloquial Latin) will be accepted as "majors in the French language." Candidates who desire to specialize in Italian or Spanish (or in both) will consult with the Head of the Department in regard to substitutions in the requirements outlined above.

It should be noted that the Doctor's degree will not be conferred merely for faithful and careful work, however great in amount. The candidate must possess special aptitude for linguistic or literary studies, and develop the power to judge and investigate on independent lines. Three years, one of which may profitably

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be spent abroad, is the minimum of time required by those who possess the requisite capacity and preparation.

It is intended that the graduate courses offered by this Department in the *Summer Quarter* as far as practicable shall be so arranged that qualified students may proceed regularly to the higher degrees by attendance in successive Summer Quarters.

DEPARTMENT CLUBS

The *French Club* meets fortnightly during the academic year.

The *Romance Club* meets once a month during the academic year. All instructors and graduate students of the Department are members; journal notices, book reviews, and original papers are read and informally discussed.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

GROUP A. FRENCH

ASSISTANT PROFESSOR COLEMAN, ASSOCIATE PROFESSORS WALLACE AND DAVID, ASSISTANT PROFESSORS NEFF AND ALTROCCHI, MESSRS. ABBOT AND KESSLER, AND (Summer, 1917) PROFESSORS LAMESLÉE, LEAVENWORTH, AND YOUNG.

1. Elementary French.—Mj. Autumn, 8:10 and 1:30, four sections; Winter, 10:45, two sections.

2. Elementary French (continued).—Mj. Summer, 10:45; Winter, 8:10 and 1:30, four sections; Spring, 10:45.

3. Intermediate French.—Mj. Summer, 10:45; Autumn, 10:45, two sections; Spring, 8:10 and 1:30, four sections.

4. Intermediate French (continued).—Mj. Summer, 9:15; Autumn, 9:15 and 2:35, two sections; Winter, 10:45, two sections.

5. Advanced French.—Mj. Autumn, 9:15; Winter, 9:15 and 2:35, two sections; Spring, 10:45.

6. Advanced French (continued).—Mj. Summer, 9:15; Autumn, 10:45; Winter, 9:15; Spring, 9:15 and 2:35, two sections.

7. Exercices Oraux.—Mj. Spring, 8:10.

TABULAR VIEW OF JUNIOR COLLEGE COURSES

	Hour	Summer	Autumn	Winter	Spring
FRENCH	8:10		1	2	3 7
	9:15	4 6	4 5	5 6	6
	10:45	2 3	3 6	1 4	2 5
	1:30		1	2	3
	2:35		4	5	6
ITALIAN	8:10	B1	B1	B2	B3
SPANISH	8:10		C1	C2	C3
	9:15		C4		
	1:30		C1	C2	C3

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GROUP B. ITALIAN

PROFESSOR WILKINS AND ASSISTANT PROFESSOR ALTROCCHI

B1. Elementary Italian.—Mj. Summer, 8:10; Autumn, 8:10.

B2. Elementary Italian (continued).—Mj. Winter, 8:10.

B3. Intermediate Italian.—Mj. Spring, 8:10.

GROUP C. SPANISH

MR. PARMENTER AND ASSOCIATE PROFESSOR NORTHUP.

C1. Elementary Spanish.—Mj. Autumn, 8:10 and 1:30, five sections.

C2. Elementary Spanish (continued).—Winter, 8:10 and 1:30, four sections.

C3. Intermediate Spanish.—Spring, 8:10 and 1:30, four sections.

C4. Advanced Spanish.—Autumn, 9:15, two sections.

II. LOWER SENIOR COLLEGE COURSES

GROUP A. FRENCH

(Prerequisite: 6 majors of French)

11. Modern French Grammar.—Mj. Winter, 1:30, ASSISTANT PROFESSOR COLEMAN.

12. Cours de style.—Mj. Summer, 8:10, PROFESSOR LAMESLÉE; Winter, 10:45, Spring, 10:45, ASSOCIATE PROFESSOR DAVID.

14. Théâtre de Molière.—Mj. Summer, 9:15, PROFESSOR YOUNG; Autumn, 9:15, ASSOCIATE PROFESSOR WALLACE.

15. Théâtre choisi de Corneille et Racine.—Mj. Spring, 9:15, ASSOCIATE PROFESSOR WALLACE.

16. La Comédie au XXI^e siècle. [Not given in 1917–18.]

17. Les Moralistes au XVII^e siècle.—Mj. Winter, 9:15, ASSOCIATE PROFESSOR WALLACE.

18. Introduction to Nineteenth-Century Fiction.—Mj. Spring, 1:30, ASSISTANT PROFESSOR COLEMAN.

19, 20. Survey of French Literature.—Mj. Autumn, 11:50 (19); Winter, 2:35 (20), ASSISTANT PROFESSOR COLEMAN; Spring, 9:15 (19), ASSOCIATE PROFESSOR DARGAN.

GROUP B. ITALIAN

B11. Advanced Italian.—Mj. Autumn, 1:30, ASSISTANT PROFESSOR ALTROCCHI.

GROUP C. SPANISH

C11. Elementary Spanish.—Mj. Summer, 8:10, two sections, MR. ———; Autumn, 2:35, PROFESSOR PIETSCH.

C12. Intermediate Spanish.—Mj. Summer, 9:15, MR. ———; Winter, 2:35, PROFESSOR PIETSCH.

C15. Modern Spanish Drama.—Mj. Winter, 9:15, MR. PARMENTER.

C15A. Spanish Conversation.—M. Winter, 1:30.

C16. Introduction to the Spanish Classics.—Mj. Spring, 9:15, MR. PARMENTER.

C16A. Spanish Conversation (continued).—M. Spring, 1:30.

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III. UPPER SENIOR COLLEGE AND GRADUATE COURSES

GROUP A. FRENCH

(Prerequisite for undergraduates: 9 majors)

Language and Literature

21. Problems of Teaching French.—Mj. Summer, 10:45; Spring, 2:35, Assistant Professor Coleman.

Literature

24. Le Classicisme. [Not given in 1917–18.]

25. La Réaction contre le classicisme.—[Not given in 1917–18.]

26. Le Mouvement romantique.—Mj. Winter, 11:50, Associate Professor David.

27. L'Avènement du romantisme.—Mj. Spring, 11:50, Associate Professor David.

28. The Novel in the Romantic Period (1800–1850).—Mj. Autumn, 10:45, Assistant Professor Coleman.

31. French Literature from Marot to Montaigne.—Mj. Winter, 10:45, Professor Nitze.

32. French Literature from Montaigne to Malherbe.—Mj. Spring, 10:45, Professor Nitze.

35. Nineteenth-Century Poetry. [Not given in 1917–18.]

39. Victor Hugo, poete lyrique.—Mj. Summer, 11:50, Professor Schinz.

Language

40. Practical Phonetics.—Mj. Winter, 10:45, Mr. Parmenter.

41, 42. Modern French Linguistics.—Mj. Summer, 8:10 (41); Autumn, 9:15 (42), Professor Jenkins.

43. Romance Versification.—Mj. Spring, 9:15, Professor Jenkins.

44. Middle French.—Mj. Winter, 9:15, Professor Jenkins.

GROUP B. ITALIAN

B21. Dante: The Predecessors of Dante and the Vita Nuova.—Mj. Autumn, 1:30, Professor Wilkins.

B22. Dante: The Divina Commedia.—Mj. Winter, 1:30, Professor Wilkins.

B23. Dante: The Divina Commedia (continued).—Mj. Spring, 1:30, Professor Wilkins.

B24, B25, B26. Italian Literature since Dante. [Not given in 1917–18.]

B35. Modern Italian Poets: Leopardi.—M. Summer, First Term, 1:30, Assistant Professor Altrocchi.

B36. Modern Italian Poets: Carducci.—M. Summer, Second Term, 1:30, Assistant Professor Altrocchi.

GROUP C. SPANISH

C21. Problems of Teaching Spanish.—Mj. Spring, 8:10, Mr. Parmenter.

C22. Composición y conversación.—Mj. Summer, 10:45, Assistant Professor Heras.

C24. Survey of Spanish Literature.—Mj. Autumn, 10:45, Associate Professor Northup.

C26. La poesía lírica castellana.—M. Summer, Second Term, 9:15, Assistant Professor Heras.

C27. The Picaresque Novel.—Mj. Winter, 10:45, Associate Professor Northup.

C31. The Classic Drama of Spain.—Mj. Spring, 10:45, Associate Professor Northup.

C35. La literatura contemporánea.—Mj. Summer, 11:50, Assistant Professor Heras.

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IV. GRADUATE COURSES

GROUP A. FRENCH AND GENERAL ROMANCE

Language and Literature

51. Introduction to Romance Philology.—Mj. Autumn, 3:40, PROFESSOR PIETSCH.

53. Thesis preparation.—Mj. Autumn, hours to be arranged, PROFESSORS JENKINS AND WILKINS.

Literature

55. Explication française.—Mj. Autumn, 11:50, ASSOCIATE PROFESSOR DAVID.

57. Types of Old French Literature.—Mj. Winter, 9:15, PROFESSOR NITZE.

59. History of French Criticism, 1549–1900.—Mj. Spring, 8:10, ASSOCIATE PROFESSOR DARGAN.

60. Main Ideas of the Eighteenth Century.—Mj. Summer, 9:15, ASSOCIATE PROFESSOR DARGAN.

61. Balzac.—Mj. Summer, 10:45, ASSOCIATE PROFESSOR DARGAN.

65. Old French Seminar. [Not given in 1917–18.]

66. Seminar: Corneille. [Not given in 1917–18.]

67. Seminar: Racine.—Mj. Spring, Wed., 3:40–5:40, PROFESSOR NITZE.

68. French Literature Seminar. [Not given in 1917–18.]

70. Seminar: Montaigne.—Mj. Summer, Wed., 3:40–5:40, PROFESSOR SCHINZ.

Language

71. Reading Knowledge of French for Graduates.—Summer, 9:15, ASSISTANT PROFESSOR COLEMAN.

75. The Chanson de Roland.—Mj. Summer, Tu. and Th., 3:40–5:40, PROFESSOR JENKINS.

76, 77. Old French (elementary and advanced courses).—2Mjs. Autumn and Winter, 8:10, PROFESSOR JENKINS.

78. French Dialects.—Mj. Spring, hours to be arranged, PROFESSOR JENKINS.

GROUP C. SPANISH

C51. Spanish Classics.—Mj. Spring, 2:35, PROFESSOR PIETSCH.

C53. Old Spanish Readings. [Not given in 1917–18.]

C57. Historical Spanish Grammar.—Mj. Summer, 2:35, Winter, 3:40, PROFESSOR PIETSCH.

C58. Spanish Seminar.—Mj. Summer, Mon., 2:35–4:35, PROFESSOR PIETSCH.

C59. Spanish Seminar.—[Not given in 1917–18.]

C60. Spanish Seminar.—Mj. Spring, Mon., 2:35–4:35, PROFESSOR PIETSCH.

GROUP D. PROVENÇAL

D51. Old Provençal. [Not given in 1917–18.]

Attention is called to the following course offered by the Department of Comparative Philology, General Linguistics, and Indo-Iranian Philology:

Comparative Philology 1. General Introduction to the Study of Language.—M. Summer, First Term, 10:45, Mj. Spring, 10:45, PROFESSOR BUCK.

Attention is called also to the announcements of the Departments of Philosophy, Education, History, History of Art, Greek, Latin, German, and English.

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TABULAR VIEW OF SENIOR COLLEGE AND GRADUATE COURSES

Courses numbered from 11 to 20 are Lower Senior College courses; those numbered from 21 to 50, Upper Senior College and Graduate courses; and those numbered above 50, Graduate courses.

	Hour	Summer	Autumn	Winter	Spring
FRENCH AND GENERAL	8:10	12. Cours de style 41. General Phonetics	76. Elementary Old French	77. Advanced Old French	59. History of French Criticism
	9:15	14. Molière 60. 18th-Century Ideas 71. Reading Knowledge of French	14. Molière 42. History of French Language	17. Les Moralistes au XVII^{e} siècle 44. Middle French 57. Types of Old French Literature	15. Théâtre choisi de Corneille et Racine 19. Survey: Drama 43. Romance Versification
	10:45	21. Problems of Teaching French 61. Balzac	28. The Romantic Novel	12. Cours de style 31. Marot to Montaigne 40. Practical Phonetics	12. Cours de style 32. Montaigne to Malherbe
	11:50	39. Victor Hugo	19. Survey: Drama 55. Explication française	26. Le Mouvement romantique	27. L' Avènement du romantisme
	1:30			11. Modern French Grammar	18. 19th-Century Fiction
	2:35			20. Survey: Novel	21. Problems of Teaching French
	3:40	75. Chanson de Roland (Tu. and Th., 3:40–5:40)	51. Introduction to Romance Philology		
	Seminars	70. Montaigne (Wed., 3:40–5:40)			67. Racine (Wed., 3:40–5:40)
	Hours to be arranged		53. Thesis Preparation		78. French Dialects

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TABULAR VIEW OF SENIOR COLLEGE AND GRADUATE COURSES—*Continued*

	Hour	Summer	Autumn	Winter	Spring
ITALIAN	1:30	B35. Leopardi (1st Term) B36. Carducci (2d Term)	B11. Advanced Italian B21. Dante: Vita nuova	B22. Dante: Divina Commedia	B23. Dante: Divina Commedia (*cont.*)
SPANISH	8:10	C11. Elementary Spanish			C21. Problems of Teaching Spanish
	9:15	C12. Intermediate Spanish C26. La poesía lírica (2d Term)		C15. Modern Spanish Drama	C16. Introduction to Spanish Classics
	10:45	C22. Composición y conversación	C24. Survey of Spanish Literature	C27. Picaresque Novel	C31. Classic Spanish Drama
	11:50	C35. La literatura contemporánea			
	1:30			C15A. Spanish Conversation	C16A. Spanish Conversation (*cont.*)
	2:35	C57. Historical Spanish Grammar	C11. Elementary Spanish	C12. Intermediate Spanish	C51. Spanish Classics
	3:40			C57. Historical Spanish Grammar	
	Seminars	C58. Grail Fragments (Mon., 2:35–4:35)			C60. Don Santo de Carrión (Mon., 2:35–4:35)

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THE DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES

OFFICERS OF INSTRUCTION

STARR WILLARD CUTTING, PH.D., Professor and Head of the Department of Germanic Languages and Literatures.
FRANCIS ASBURY WOOD, PH.D., Professor of Germanic Philology.
MARTIN SCHÜTZE, PH.D., Professor of German Literature.
PHILIP SCHUYLER ALLEN, PH.D., Associate Professor of German Literature.
CHARLES GOETTSCH, PH.D., Associate Professor of Germanic Philology.
ADOLF CARL VON NOÉ, PH.D., Assistant Professor of German Literature.
JOHN JACOB MEYER, PH.D., Assistant Professor of German.
CHESTER NATHAN GOULD, PH.D., Assistant Professor of German and Scandinavian Literature.
HANS ERNST GRONOW, PH.D., Assistant Professor of German.
PAUL HERMAN PHILLIPSON, PH.D., Instructor in German.
JOHN CONRAD WEIGEL, A.B., Instructor in German.

EDUARD PROKOSCH, PH.D., Professor in Germanic Philology, University of Texas (Summer, 1917).
SAMUEL KROESCH, PH.D., Assistant Professor of German, University of Minnesota (Summer, 1917).
EMERY WINFIELD BALDUF, A.M., Professor of German, Carleton College (Summer, 1917).
HANS KURATH, A.B., Instructor in German, University of Texas (Summer, 1917).

FELLOWS, 1917–18

EMERY WINFIELD BALDUF, A.M.
WILLIAM DIAMOND, A.M.
EDWARD ALBERT EBERHARDT, A.M.
ARTHUR EMANUEL WALD, A.B.

INTRODUCTORY

For students who enter the University with no previous training in German, elementary and intermediate courses are offered, whose primary aim is to enable the student to read and to understand easily and accurately, without translation, German prose of ordinary difficulty. As a logical sequent of this initial instruction, advanced courses in language and literature are offered students who have taken these elementary and intermediate courses at the University of Chicago or elsewhere. Prose composition, including translation into German of rather difficult English prose and construction of original essays, is the prime feature of the advanced language work; in literature individual authors or periods of literary development become the subjects of lectures, discussions, and themes. A strengthened grasp of the syntactic and stylistic resources of the language will be secured simultaneously with increased literary appreciation.

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The German courses of the Junior College (six majors), plus at least eight Senior College elective majors, or an equivalent, are required for admission to the graduate work of the Department. Graduate students from other institutions, whose preliminary training in German has been deficient in either quantity or quality, may be required to supplement their previous work by Senior College electives before admission to the standing of graduate students in the Department. For combined sequences in the Modern Language Group, see pp. 195–96.

COURSES AVAILABLE FOR SEQUENCES

The following courses are intended primarily for students of the *Senior Colleges*. Sequences may be chosen from them in harmony with suggestions given below:

5, Modern Prose Readings; 6, German Plays; 11, Deutsche Aufsätze; 15, Introduction to Schiller; 16, Introduction to Goethe; 17, Introduction to Lessing; 18, Introduction to the Classical Period; 40A, B, C, Introduction to the Study of German Literature (3Mjs.); 43A, The German Short Story; 44, Goethe's Lyrical Poetry; 60, The Best Dramas of Kleist, Grillparzer, and Hebbel; 61, Aufsätze und Stilübungen; 62A, B, C, German Literature since 1832: A, The Novel; B, *ibid.*, The Drama; C, *ibid.*, Poetry; 83, The German Language; 97, The Teaching of German in the Secondary School; 99A, Leben und Kultur Deutschlands im 19ten Jahrhundert; 99B, Geschichte der deutschen Kultur seit 1648.

PRINCIPAL SEQUENCES

a) With two units of preparation: courses 5, 6, 15 (or 16 or 17 or 18), 11, 40A, 40B, 40C, and two majors selected from courses 18–41.

b) With three units of preparation: courses 15 (or 16 or 17 or 18), 11, 40A, 40B, 40C, and four majors selected from courses 18–101.

c) With four units of preparation: nine majors selected from courses 25–101.

d) With a preparation equivalent to four units plus at least eight Senior College elective majors: nine majors selected, upon consultation with the Departmental Adviser, from the Senior College and graduate courses in language and literature, according to the preparation, taste, and prevailing purpose of the individual student.

SECONDARY SEQUENCES

The first two-thirds of one of the foregoing groups according to the student's preparation.

The aims of the graduate courses offered by the Department are as follows: (1) To acquaint the student already in possession of a practical grasp of the German language with the great movements of literary and linguistic development within the Germanic field outside of English. (2) To direct the efforts of students, who have already received the requisite preliminary training, in the investigation of special problems of phonetics, phonology, morphology, syntax, metrics, style, text-criticism, and literary history, including especially literary origins and relationships.

Lectures and recitations are employed in the more general, and seminars in the more special and detailed, features of the work. Still more personal direction is given by the instructor to the research student.

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For the Master's degree, acquaintance with the essentials of the general history of German literature and language is required. The extent and accuracy of the candidate's reading in German literature will receive consideration.

A candidate for the degree of Doctor of Philosophy is required to show intellectual independence and a scholarly equipment sufficient for the successful investigation of hitherto unsolved literary and linguistic problems; familiarity with the general history of German literature and with the general development of the German language; a thorough command of oral and written German and ability to read Gothic, Old High German, and Middle High German; and a thorough knowledge of a special literary or linguistic subject. Due stress will be laid on the extent and accuracy of the candidate's reading in German literature. With Germanics as secondary subject, the required work may be done in literary or linguistic courses according to the needs of the candidate.

For the general regulations of the University governing the granting of higher degrees, see pp. 92–96.

A *Senior College Scholarship* in German is annually awarded in June to a student who has received the Junior College certificate within the year then ending (October to July). The award is based upon (*a*) standing in the required Junior College German, including courses 1, 2, 3, 4, 5, 6; and (*b*) a special examination held in May upon these six courses. Candidates will consult the Departmental Examiner concerning such examinations.

A *Graduate Scholarship* in German is annually awarded in June to a student who has received the Bachelor's degree within the year then ending (October to July). This award is based upon (*a*) standing in course 11, and in at least seven elective majors in the Senior Colleges; and (*b*) a special examination held in May.

The Germanistic Society of Chicago, an incorporated association of Anglo-Americans and German-Americans, whose object is "to promote the knowledge and study of German civilization in America and of American civilization in Germany," has arranged for the year 1917–18 an extensive series of lectures upon timely topics germane to the general purpose of the organization. These lectures by eminent professors of German and American universities, delivered for the most part in Fullerton Hall (Art Institute), are largely attended by the advanced students and by the instructors of the Germanic Department.

The Germanic Club, including candidates for advanced degrees, other advanced students, and all instructors of the Department, meets twice each quarter for the reading and discussion of journal reports, reviews, and original papers upon subjects in language and literature within the scope of the regular work of the members.

The Scandinavian Club is maintained by instructors and students interested in Scandinavian literature and culture of the old or the modern period.

The German Conversation Club is an organization of undergraduate and graduate students under the leadership of a member of the Germanic Department. Its purpose is to arouse and sustain interest in the German language as a vehicle of oral expression. Membership, open to those who have already made some progress in the language, while it entitles the student to no extra academic credit, supplements the regular class work in the direction of greatly increased *Sprachfertigkeit* and *Sprachgefühl*.

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COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

1. Elementary Course in German.—Mj. Autumn, secs. *a*, *b*, 8:10, Dr. Phillipson and Mr. Weigel; sec. *c*, 10:45 (*for pre-medical students*), Assistant Professor Gronow; sec. *d*, 1:30, Professor Cutting; Winter, 9:15, Assistant Professor Gould.

2. Elementary Course in German (continued).—Mj. Winter, secs. *a*, *b*, 8:10, Dr. Phillipson and Mr. Weigel; sec. *c*, 10:45 (*for pre-medical students*), Assistant Professor Gronow; sec. *d*, 1:30, Professor Cutting; Spring, 10:45, Assistant Professor Gould.

3. Intermediate German.—Mj. every Quarter. Summer, 8:10, Mr. Balduf; Autumn, 8:10, Associate Professor Goettsch; Spring, secs. *a*, *b*, 8:10, Dr. Phillipson, Mr. Weigel; sec. *c*, 10:45 (*for pre-medical students*), Assistant Professor Gronow; sec. *d*, 1:30, Professor Cutting.

4. Elementary German Composition.—Mj. every Quarter. Summer, 9:15, Mr. Weigel; Autumn, secs. *a*, *b*, *c*, 9:15, Dr. Phillipson, Mr. Weigel, and Mr. ———; sec. *d*, 2:35, Mr. ———; Winter, sec. *a*, 9:15, Associate Professor Goettsch; sec. *b*, 10:45, Dr. Phillipson; Spring, 10:45, Mr. Weigel.

5. Modern Prose Readings.—Mj. every Quarter. Summer, 9:15, Assistant Professor Kroesch; Autumn, 9:15, Assistant Professor von Noé; Winter, secs. *a*, *b*, 9:15, Dr. Phillipson and Mr. Weigel; Spring, 9:15, Assistant Professor von Noé.

6. German Plays.—Mj. every Quarter. Summer, 10:45, Assistant Professor Kroesch; Autumn, 11:50, Assistant Professor Gould; Winter, 9:15, Assistant Professor von Noé; Spring, 1:30, Assistant Professor von Noé.

TABULAR VIEW OF JUNIOR COLLEGE COURSES

Hour	Summer	Autumn	Winter	Spring
8:10	3	1*a* 1*b*	1 2*a* 2*b*	 3*a* 3*b*
9:15	4	3 4*a* 4*b* 5	4*a* 5*a* 5*b* 6	5 6
10:45	5		2*c* 4*b*	2 3*c* 4
11:50	6	6		
1:30		1*d* 4*c*	2*d*	3*d*
2:35		4*d*		

II. SENIOR COLLEGE COURSES

GROUP I. RHETORIC

I. Lower Senior

11. Deutsche Aufsätze.—Mj. Summer, 9:15, Dr. Phillipson; Autumn, 10:45, Professor Cutting; Winter, 10:45, Associate Professor Goettsch; Spring, 9:15, Dr. Phillipson.

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GROUP II. COURSES IN LITERATURE

I. Lower Senior

15. Introduction to Schiller.—Mj. Autumn, 9:15, ASSISTANT PROFESSOR GRONOW.

16. Introduction to Goethe.—Mj. Winter, 9:15, ASSISTANT PROFESSOR GRONOW.

17. Introduction to Lessing.—Mj. Spring, 9:15, ASSISTANT PROFESSOR GRONOW.

18. Introduction to the Classical Period.—Mj. Summer, 10:45, ASSISTANT PROFESSOR GRONOW.

24. Schiller's Life and Works.—[Not given in 1917–18.]

25. Lessing's Life and Works.—[Not given in 1917–18.]

26. German Poets of Patriotism during the War of Liberation.—[Not given in 1917–18.]

27. Goethe's "Hermann und Dorothea" and Schiller's Ballads.—[Not given in 1917–18.]

30. Kleist and Grillparzer.—[Not given in 1917–18.]

32. Goethe's "Iphigenie" and "Tasso."—[Not given in 1917–18.]

34. Modern German Poetry in Austria.—[Not given in 1917–18.]

36. German Lyrics and Ballads.—[Not given in 1917–18.]

37. Selected Dramas of Schiller.—[Not given in 1917–18.]

40A, B, C. Introduction to the Study of German Literature.—3Mjs. Autumn, Winter, 8:10; Spring, 9:15, ASSISTANT PROFESSOR MEYER.

II. Upper Senior

41. Goethe's Life and Works.—Mj. Winter, 10:45, ASSOCIATE PROFESSOR ALLEN.

42. Heine's Prose and Poetry.—[Not given in 1917–18.]

43A. The German Short Story.—Mj. 1:30, PROFESSOR SCHÜTZE.

43B. The Theory of the Novelle in the Nineteenth Century.—Mj. (or M. either Term) Summer, 1:30, PROFESSOR SCHÜTZE.

44. Goethe's Lyrical Poetry.—Mj. Autumn, 11:45, PROFESSOR SCHÜTZE.

45. German Lyrical Poetry in the Nineteenth Century.—[Not given in 1917–18.]

46. Lessing's Later Dramas.—[Not given in 1917–18.]

47. Goethe's Dramas.—[Not given in 1917–18.]

48. Goethe's Storm-and-Stress Period.—[Not given in 1917–18.]

49. Goethe's Period of Classical Sympathies.—[Not given in 1917–18.]

51. German Popular Poetry.—[Not given in 1917–18.]

52. Schiller's "Wallenstein."—[Not given in 1917–18.]

53. Grillparzer's Dramas.—[Not given in 1917–18.]

54. Contemporary German Dramas.—[Not given in 1917–18.]

55. Survey of German Literature in the Last Thirty Years.—[Not given in 1917–18.]

56. The Classical Period in German Literature.—[Not given in 1917–18.]

57. The German Lyric from 1800 to 1850.—[Not given in 1917–18.]

58. The Literature of Romanticism.—[Not given in 1917–18.]

59. Goethe and Schiller.—[Not given in 1917–18.]

60. The Best Dramas of Kleist, Grillparzer, and Hebbel.—Mj. Winter, 11:50, PROFESSOR SCHÜTZE.

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61. Aufsätze und Stilübungen.—Mj. (or M. either Term), Summer, 9:15, PROFESSOR PROKOSCH; Mj. Autumn, 9:15, ASSISTANT PROFESSOR MEYER.

62A. German Literature since 1832. The Novel.—Mj. (or M. either Term) Summer, 8:00, and Mj. Winter, 8:10, ASSOCIATE PROFESSOR ALLEN.

62B. German Literature since 1832. The Drama.—Mj. Autumn, 8:15, ASSOCIATE PROFESSOR ALLEN.

62C. German Literature since 1832. Poetry.—Mj. Spring, 8:10, ASSOCIATE PROFESSOR ALLEN.

GROUP III. COURSES FOR TEACHERS

Upper Senior and Graduate

81. History of the German Language.—[Not given in 1917–18.]

82. Middle High German.—[Not given in 1917–18.]

83. The German Language.—Mj. Autumn, 9:15, ASSOCIATE PROFESSOR GOETTSCH.

84. Deutsche Phonetik.

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91. The History of Old Norse-Icelandic Literature.—[Not given in 1917–18.]

93. Life and Culture in the Scandinavian Countries during the Middle Ages.—[Not given in 1917–18.]

NOTE.—See also courses 112, 146, and 147.

97X. The Teaching of German in the Secondary School.—Mj. Summer, 8:10, MR. WEIGEL.

97Y. The Teaching of German in the Secondary School.—Mj. Autumn, 10:45, MR. WEIGEL.

98. The Teaching of German Literature.—[Not given in 1917–18.]

99A. Leben und Kultur Deutschlands im 19ten Jahrhundert.—Mj. (or M. either Term) Summer, 11:30, ASSISTANT PROFESSOR GRONOW.

99B. Geschichte der deutschen Kultur seit 1648.—Mj. Spring, 11:50, ASSISTANT PROFESSOR GRONOW.

III. GRADUATE COURSES

GROUP I. COURSES IN LANGUAGE AND LANGUAGE HISTORY

101. Deutscher Satzbau und Stil.—Mj. Winter, 9:15, ASSISTANT PROFESSOR MEYER.

102. Deutsche Phonetik.—M. First Term, Summer, 10:45, PROFESSOR PROKOSCH.

103. Gothic.—Mj. Summer and Autumn, 1:30, ASSISTANT PROFESSOR GOETTSCH.

104. Old High German.—Mj. Winter, 1:30, PROFESSOR WOOD.

105. Middle High German.—Mj. Spring, 1:30, PROFESSOR WOOD.

106. Early New High German.—[Not given in 1917–18.]

107. Geschichte der deutschen Sprache.—[Not given in 1917–18.]

108. Lectures on Germanic Philology.—Mj. Autumn, 2:35, PROFESSOR WOOD.

109. Old Saxon.—Mj. Summer, 2:35, PROFESSOR WOOD.

110. Middle Low German.—[Not given in 1917–18.]

111. Middle Dutch.—[Not given in 1917–18.]

112. Icelandic.—Mj. Autumn, 10:45, ASSISTANT PROFESSOR GOULD.

113. Old Frisian.—Mj. Spring, 2:35, PROFESSOR WOOD.

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Seminars

251. Problems in Germanic Philology.—Mj. Wed., 2:30–4:30, PROFESSOR WOOD.

252. Investigations in Old High German Dialects.—PROFESSOR WOOD. [Not given in 1917–18.]

253. For candidates for the Doctor's degree whose major work is linguistics. Mj. Hours to be arranged, PROFESSOR WOOD.

GROUP II. COURSES IN LITERATURE

141A. Survey of German Literature to the End of the Thirteenth Century.—Mj. Autumn, 9:15, ASSOCIATE PROFESSOR ALLEN.

141B. Survey of German Literature from the Early Fourteenth Century to the Middle of the Eighteenth Century.—Mj. Winter, 2:35, PROFESSOR CUTTING.

141C. Survey of German Literature from Lessing to the Death of Goethe.—[Not given in 1917–18.]

145. Germanische Mythologie.—[Not given in 1917–18.]

146. Old Norse-Icelandic Prose.—Mj. Winter, 10:45, ASSISTANT PROFESSOR GOULD.

147. Old Norse-Icelandic Poetry.—Mj. Spring, 11:50, ASSISTANT PROFESSOR GOULD.

NOTE.—See also courses 91, 93, and 112.

148. Background of German Literature in the Dark Ages.—Mj. (or M. either Term) Summer, 9:15, ASSOCIATE PROFESSOR ALLEN.

149. History of Literature in Europe from 800 to 1100.—Mj. Spring, 9:15, ASSOCIATE PROFESSOR ALLEN.

150. Geschichte der mittelhochdeutschen Litteratur.—[Not given in 1917–18.]

151. The German Popular Epic: The Nibulengenlied.—Mj. Autumn, 2:35, PROFESSOR CUTTING.

152. The Germanic Epic.—[Not given in 1917–18.]

153. The German Court Epic: Hartmann von Aue.—[Not given in 1917–18.]

154. Walther von der Vogelweide.—[Not given in 1917–18.]

155. Minnesangs Frühling.—[Not given in 1917–18.]

160. Deutsche Kulturgeschichte vom Jahre 1200 zum Jahre 1550.—[Not given in 1917–18.]

161. Berthold von Regensburg.—[Not given in 1917–18.]

162. The German Volkslied.—[Not given in 1917–18.]

163A. The Older German Volkslied.—[Not given in 1917–18.]

163B. Renascence of the German Volkslied in the Eighteenth and Nineteenth Centuries.—[Not given in 1917–18.]

164. Das deutsche Volkslied.—Mj. (or M. each Term) Summer, 1:30, PROFESSOR JACKSON.

171. Schiller's Earlier and Later Theory of the Drama.—[Not given in 1917–18.]

172. Sturm und Drang.—Mj. (or M. either Term) Summer, 8:10, DR. PHILLIPSON.

177. Herder and the Humanistic Movement in the Eighteenth Century.—[Not given in 1917–18.]

178. Goethe's "Werthers Leiden."—[Not given in 1917–18.]

179. Goethe's "Wilhelm Meister."—[Not given in 1917–18.]

180. The Romantic School.—[Not given in 1917–18.]

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181. Relations between Literature and Philosophy, from the Death of Lessing to 1848.—[Not given in 1917–18.]

182A. Introduction to Methods of Research in German Literature.—Mj. Autumn, 8:10, ASSISTANT PROFESSOR VON NOÉ.

182B. History of German Literary Criticism.—Mj. Winter, 8:10, ASSISTANT PROFESSOR VON NOÉ.

183. Das junge Deutschland.—[Not given in 1917–18.]

184. Das Weib in mittelalterlichen Geschichten.—Mj. Spring, 8:10, ASSISTANT PROFESSOR MEYER.

190A. The Literary Relations between England and Germany in the Eighteenth Century.—[Not given in 1917–18.]

190B. The Literary Relations between France and Germany in the Eighteenth Century.—Spring, 8:10, ASSISTANT PROFESSOR VON NOÉ.

191. Geschichte der deutschen Litteratur seit 1848.—[Not given in 1917–18.]

204. History of the German Novel.—[Not given in 1917–18.]

205. Das deutsche Drama von den ersten Anfängen bis zum Jahre 1550.—Mj. Spring, 2:35, PROFESSOR CUTTING.

206. History of the German Drama in the Seventeenth and Eighteenth Centuries.—[Not given in 1917–18.]

210. The Modern German Drama.—[Not given in 1917–18.]

211. Technique of the Drama since Lessing.—[Not given in 1917–18.]

212. The Modern German Novel.—[Not given in 1917–18.]

214. The German Court Epic: Wolfram von Eschenbach.—[Not given in 1917–18.]

215. The German Court Epic: Wolfram von Eschenbach "Willehalm."—[Not given in 1917–18.]

216. German Essays and Essayists in the Nineteenth Century.—[Not given in 1917–18.]

217. Contemporary Lyric Poetry.—[Not given in 1917–18.]

SEMINARS

260. The Germanic Epic.—ASSOCIATE PROFESSOR ALLEN. [Not given in 1917–18.]

261. Lyric Origins in Germany.—ASSOCIATE PROFESSOR ALLEN. [Not given in 1917–18.]

262. Das englische Drama in Deutschland im 16. und 17. Jahrhundert.—PROFESSOR CUTTING. [Not given in 1917–18.]

263. Lessing's Theory of the Drama.—PROFESSOR CUTTING. [Not given in 1917–18.]

264. Goethe's "Faust" I and II.—PROFESSOR CUTTING. [Not given in 1917–18.]

265. The Mediaeval Lyric and Ballad.—ASSOCIATE PROFESSOR ALLEN. [Not given in 1917–18.]

266. Heine und Uhland.—ASSOCIATE PROFESSOR ALLEN. [Not given in 1917–18.]

267. The German Novel.—ASSOCIATE PROFESSOR ALLEN. [Not given in 1917–18.]

268. Der junge Goethe, 1749–1775.—PROFESSOR SCHÜTZE. [Not given in 1917–18.]

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269. The German Forerunners of Naturalism.—PROFESSOR SCHÜTZE. [Not given in 1917–18.]

270. The Romantic School.—PROFESSOR SCHÜTZE. [Not given in 1917–18.]

271. The Drama of Romanticism.—PROFESSOR SCHÜTZE. [Not given in 1917–18.]

272. The Technique of the Modern Drama.—PROFESSOR SCHÜTZE. [Not given in 1917–18.]

273. Goethe's "Wilhelm Meister."—PROFESSOR SCHÜTZE. [Not given in 1917–18.]

274. Goethe and Schiller, 1790–1805.—PROFESSOR SCHÜTZE. Mj. Winter, Th., 4:00–6:00, PROFESSOR SCHÜTZE.

275. The History and Theory of the German "Lied" from Opitz to the Present.—PROFESSOR SCHÜTZE. [Not given in 1917–18.]

276. Heine.—ASSOCIATE PROFESSOR ALLEN. [Not given in 1917–18.]

277. Problems in the History of Literature in Europe from 800 to 1100.—ASSOCIATE PROFESSOR ALLEN. [Not given in 1917–18.]

278. Goethe's First Weimar Period (1775–1805).—Mj. Autumn, 4:00–6:00, PROFESSOR SCHÜTZE.

279. Goethe's "Faust."—Mj. Summer, Th., 4:00–6:00.

Attention is also called to the courses offered for the current year by the Departments of Philosophy, Education, History, History of Art, Comparative Philology, Greek, Latin, Romance, and English.

TABULAR VIEW OF SENIOR COLLEGE AND GRADUATE COURSES

Course numbers in Roman type denote Lower Senior College courses; in italics, Upper Senior College courses; in bold face, Graduate courses.

Hour	Summer	Autumn	Winter	Spring
8:10	*68A* *97X* 172	11 *40A* *68B* 182A	*40B* *68A* 182B	*40C* *68C*
9:15	11 *61* 148	15 *61* *85* 141A	16 101 148	11 17 149 183
10:45	18 102	*97Y* 112	11 146	
11:50	*45A*	*44*	*60*	*99B* 147
1:30	*99A* 103 164	103	104	105 190B
2:35	109	108 151	141B 251 (Seminar) Wed.	113 205
4:00–6:00	279 (Seminar) Th.	278 (Seminar) Th.	274 (Seminar) Th.	253 (Seminar in linguistics) (Hours to be arranged)

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THE DEPARTMENT OF THE ENGLISH LANGUAGE AND LITERATURE

OFFICERS OF INSTRUCTION

JOHN MATTHEWS MANLY, PH.D., Professor and Head of the Department of English.
WILLIAM CLEAVER WILKINSON, D.D., Professor (Emeritus) of Poetry and Criticism.
WILLIAM DARNALL MACCLINTOCK, A.M., Professor of English.
MYRA REYNOLDS, PH.D., Professor of English.
ROBERT HERRICK, A.B., Professor of English.
ROBERT MORSS LOVETT, A.B., Professor of English.
ALBERT HARRIS TOLMAN, PH.D., Professor of English.
JAMES WEBER LINN, A.B., Associate Professor of English.
TOM PEETE CROSS, PH.D., Associate Professor of English and Celtic.
PERCY HOLMES BOYNTON, A.M., Associate Professor of English.
EDITH FOSTER FLINT, PH.B., Associate Professor of English.
DAVID ALLAN ROBERTSON, A.B., Associate Professor of English.
CHARLES READ BASKERVILL, PH.D., Associate Professor of English.
ROLLO LAVERNE LYMAN, PH.D., Associate Professor in the Teaching of English, the College of Education.
THOMAS ALBERT KNOTT, PH.D., Assistant Professor of English.
JAMES ROOT HULBERT, PH.D., Assistant Professor of English.
CARL HENRY GRABO, PH.B., Instructor in English.
DAVID HARRISON STEVENS, PH.D., Instructor in English.
GEORGE WILEY SHERBURN, PH.D., Instructor in English.
EVELYN MAY ALBRIGHT, PH.D., Instructor in English.

NATHANIEL EDWARD GRIFFIN, PH.D., Assistant Professor of English, Princeton University (Summer, 1917).

FELLOWS, 1917–18

MARY GRACE HAMILTON, A.M.
HELEN SARD HUGHES, A.M.
BALDWIN MAXWELL, A.M.
FRED BENJAMIN MILLET, A.B.
EMMA FEILD POPE, A.M.
DEWITT TALMADGE STARNES, A.M.

INTRODUCTORY

The Junior Colleges.—Course 1 is required of all students in the first quarter of residence. Course 3 is required of all students having nine majors of credit. It must be taken before admission to the Senior Colleges. Students in the Junior Colleges have the following privileges of election: (*a*) courses 40 and 41 are open to those who have passed course 1; (*b*) courses 4, 21, 34A, 47, 48, 160 are open to those who have passed courses 1, 3, and 40.

SEQUENCES

A *Senior College Scholarship* in English is annually awarded on July 1 to a student who has received the Junior College certificate within the year then ending. The award is based upon (1) standing in the courses taken, which must

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include courses 1, 3, 40, and 41; and (2) a special examination held in May upon the same courses. Detailed information may be obtained from the Departmental Examiner.

The following courses are intended primarily for students in the *Senior Colleges* and from them the sequences in English may be chosen:

4, English Composition; 5, 6, English Composition, advanced course; 7, Rhetoric and Composition for Teachers; 9, Argumentation; 9A, Oral Debates; 10, Public Address; 11, The Organization and Development of the Press; 12; 16; 18; 21, Old English, elementary course; 22, Old English; 28, Chaucer, the *Canterbury Tales;* 32, Modern English Grammar; 33, English Grammar for Teachers; 34A, History of the English Language; 36, 39, History of the Middle English Literature; 42, English Literature, 1557–99; 43, English Literature, 1599–1660; 44, English Literature, 1660–1744; 46, English Literature, 1744–98; 47, English Literature, 1798–1832; 48A, English Literature, 1832–92 (poetry); 48B, English Literature, 1832–92 (prose); 71; 72, Shakspere's Comedies; 75, Milton; 76, The English Romantic Movement; 77, Pope, the Satires; 79, Browning and Tennyson; 80, English Literature for Teachers; 85, The Drama in England from 1600 to 1642; 87, The History of the Novel; 88, The Technique of the Modern Novel; 90, The Literary Essay in England; 91, Ballad and Epic Poetry; 130, Pre-Raphaelitism in English Literature; 140, The Technique of the Drama; 141; 142A, Contemporary Literature; 160, American Literature; 173, Arthurian Element in Mediaeval Literature; 174, The Mediaeval Revival in the Eighteenth Century; 175, Introduction to Celtic Literature.

The following courses, though intended primarily for graduates, are open to properly qualified Senior College students, and may be selected as part of the principal sequence:

23, Old English, *Beowulf;* 26, Early Middle English; 27, Later Middle English; 69, The Life and Works of Spenser; 70A, B, Shakspere; 84, The Drama in England from 1500 to 1600.

In general, the principal sequence in English must include courses 4, 41, and one of the three 21, 28, 34A; three majors closely connected in period (e.g., the Renaissance, the Eighteenth Century, American Literature, etc.), and three elective majors. The minor sequence must include two majors from each of these groups. The following special sequences are recognized:

PRINCIPAL SEQUENCE

a) General, for students of Language: courses 21, 22, 23, 26, 27, 28, 33, 34A, 36, 41.

b) General, for students of Literature: courses 4, 28, 41, and six selected from the following courses: 5, 6, 42–48, 72; 75; 76; 77; 79; 85, 87, 90, 91, 130, 140, 142; 160.

c) For teachers: courses 4, 7, 12; 16; 18; 28, 33, 34; 36; 41, 80.

d) In preparation for Journalism: courses 4, 5, 6, 9, 10, 11, 16, 41, 142.

SECONDARY SEQUENCES

a) General: courses 4, 41, and four of the courses 42–48, 87, 90, and 160.

b) For Law students: courses 4, 5, 9, and 9A, 10, 16; 18, 41.

c) For students of Modern Language whose principal sequence is in Romance or German: courses 21, 22, 23, 26, 27, and 28.

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d) For students of Modern Literature whose principal sequence is taken in Romance or German: courses 28, 41, and four others chosen according to the period studied.

For combined sequences in the Modern Language Group, see pp. 195–96.

A special *Graduate Scholarship* in English is annually awarded on July 1 to a student who has received the degree of Bachelor from the University of Chicago within the year then ending. The award is based upon (1) standing in the courses in English taken, which must include at least five elective majors in the Senior Colleges; and (2) a special examination held in May. The examination in 1917 will be upon the following courses: 21, 22, 28, 42, 43, 44, 46, 47, 48, 85, 160. The student may choose any five of these as the basis of his examination. More detailed information may be obtained from the Departmental Examiner.

The Graduate Schools.—Graduate students who did not as undergraduates devote special attention to English should select their work at first from the courses intended primarily for Senior College students. Some familiarity with English studies is presupposed in the courses intended primarily for graduate students. The following courses, though intended primarily for undergraduates, may be taken by graduate students and will be credited toward the higher degrees: 21, 22, 28, 32, 33, 34A; 42, 43, 44, 46, 47, 48, 71, 72, 75, 76A; 77; 79, 85, 87, 88, 90, 91, 130, 140, 141; 142; 160, 173, 175. The following courses are intended primarily for graduate students and are open to all who are properly equipped for them in knowledge and experience in study: 23, 24, 25, 26, 27, 29, 34B, 35, 36, 37, 38, 39, 50, 51, 52, 54, 56, 57, 60, 61, 69, 70, 73, 76, 83, 84, 86, 89, 102, 103, 150, 161, 170, 180.

The requirements for the Master's degree in English may be stated as follows:

1. *Prerequisites.*—*a*) Before acceptance as a candidate the student should have completed the equivalent of nine majors (twelve or fifteen year hours) of college work in English, in addition to the required courses in composition (the equivalent of English 1 and English 3 in the University of Chicago) and an introductory course in literature (the equivalent of English 40). This requirement represents roughly the attainment of a student who selects his major sequence in the Department of English in the University of Chicago.

b) The comprehensiveness of the student's undergraduate training in English is tested by a written examination given in August and in December for all who expect to present themselves as candidates for the degree within the next three quarters.

c) At the time of admission to candidacy the student should possess a reading knowledge of at least one modern language other than English.

2. *Residence and courses.*—*a*) The minimum requirement is a residence of three quarters and the completion of eight majors of graduate work, at least one major of which must be taken in Old or Middle English.

b) Some one period or form should be chosen for special study; e.g., Old English, Middle English, the Renaissance, the Restoration and early eighteenth century, the later eighteenth and early nineteenth century, the later nineteenth century, American literature, the drama, the novel, criticism. Three or four majors should be taken in this special field. The period or form chosen will naturally determine the subject of the dissertation.

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c) In case the graduate requirements for the Master's degree have been partially anticipated at the time of acceptance as a candidate, advanced courses in English composition, courses for teachers offered in the Department of English, or approved courses in other departments (including the Department of General Literature) may be substituted for part of the necessary eight majors.

d) No courses, however, outside the Department of English may be taken for credit toward the Master's degree during the first quarter of residence unless the subject for a dissertation has already been accepted and the substituted courses approved by the instructor in charge of the student's special field.

3. *Dissertation.*—Six weeks before the Convocation at which the degree is sought the candidate must submit to the Head of the Department a dissertation showing the result of special study of some approved subject and demonstrating his ability in original investigation or in independent organization of material already at hand. A dissertation illogical in organization and obscure and incorrect in expression will be rejected without consideration of the value of the investigation as an investigation.

4. *Examination.*—The final test of the candidate's fitness to receive the degree consists of an oral examination covering his special field, but not confined to that field or to the particular courses offered.

The Doctor's degree.—All candidates for the Doctor's degree in English, whatever may be their special field of work, must have a good knowledge of the general history of English literature and a fair equipment in Old and Middle English. The minimum requirement in the former may be roughly indicated as represented by courses 36, 42, 43, 44, 46, 47, 48, 70A, B, 85, 150, 160; this minimum is permitted only to those whose special interest is in linguistic study and who consequently take as their secondary subject either Germanic or Romance Philology; such students will of course take special linguistic courses in English. The minimum requirement in linguistic work for students whose special interest lies in the study of literature and literary history may be roughly indicated as given in courses 21, 22, 23, 26, 27, 28, 34.

Students in this group are strongly advised to choose their secondary subject with immediate reference to its usefulness in the field to which they intend to devote special attention. Of prime importance to those who aim at a broad and enlightened knowledge of English literature in its greatest manifestations is a knowledge of the Greek, the Latin, the Romance, and the German literatures. The relative importance of these varies in accordance with the field of English literature chosen for special study; but a sound knowledge of English literature and a just appreciation of its phenomena are impossible without a considerable acquaintance with at least one of the other great literatures of the civilized world and without some knowledge of the currents of foreign thought which were most influential in England during the period chosen for special study. The Head of the Department and the other instructors will be glad to discuss with candidates their special interests and plans.

A satisfactory dissertation upon a subject approved by the Head of the Department must be presented at least three months before the Convocation at which the candidate wishes to receive the degree. After the dissertation has been accepted, the candidate must present himself for a special public examination in accordance with the general regulations of the University.

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The Doctor's degree is not conferred merely for faithful and accurate work, however great in amount; the candidate must exhibit some capacity for investigation and independent thought. The requirements cannot therefore be stated in terms of years or courses. Three years, are, however, usually necessary for a competent student who enters the Graduate School with a good equipment.

Students who wish to prepare themselves for teaching English are advised to elect, as undergraduates, at least two courses in the English language, 21 and 28 (and if possible 34), one elective course in English composition (4 or 9), two courses in the teaching of English (7 and 80), and further courses in English literature, including 41 and 160.

COURSES OF INSTRUCTION

I. COURSES IN RHETORIC AND ENGLISH COMPOSITION

The following courses in rhetoric and English composition are designed to give the student such training as he needs in expression and organization of thought in order to deal satisfactorily with the material of other departments of study. He is required to take English 1 in his first quarter and English 3 in his second year of residence. These courses are prerequisite to higher courses in composition. English 4 is given in two sections in which the emphasis is laid respectively on literary quality and on organization of material. English 9, 9A, and 10 are arranged to give a full year's course in the organization of material and the written and oral expression of it. These courses may be elected to supplement English 4, or in place of it. One of these elective courses in composition is invariably required as part of the primary or secondary sequence in English. English 5 and 6 are intended for those who wish to specialize in English composition for literary or professional reasons.

GROUP I. FOR THE JUNIOR COLLEGES

1. Rhetoric and English Composition: Introductory College Course.—Mj. every Quarter, Summer, 9:15, Drs. Stevens and Albright; Autumn, 9:15, 11:50, and 2:35, Associate Professors Linn and Flint, Drs. Stevens, Sherburn, and Albright, and Mr. Grabo; Winter, 9:15 and 2:35, Dr. Albright; Spring, 9:15, Dr. Albright.

2. English Composition.—Winter and Spring, Tu. and Th., 1:30.

3. English Composition.—Mj. every Quarter. Summer, 10:35, Drs. Sherburn and Albright; Autumn, 10:45 and 3:40, Associate Professors Flint and Robertson, Drs. Stevens, Albright, and Sherburn, and Mr. Grabo; Winter, 10:45 and 3:40, Drs. Sherburn, Stevens, and Albright, and Mr. Grabo; Spring, 10:45 and 3:40, Dr. Albright.

GROUP II. FOR THE SENIOR COLLEGES

4A, B, C. English Composition.—Mj. Summer, 10:45, Associate Professor Linn; Autumn (4A), 10:45, Professor Lovett; (4C), 9:15, Associate Professor Lyman; Winter (4B), 9:15, Associate Professor Linn; (4A), 10:45, Associate Professor Flint; Spring (4A), 10:45, Associate Professor Flint; (4B), 9:15, Associate Professor Lyman.

5, 6. English Composition: Advanced Course.—Mj. Summer, 11:50, Professor Lovett and Associate Professor Linn; 2Mjs. Winter and Spring, 2:35, Professor Herrick.

7A, B. The Teaching of Composition in the Secondary School.—7A (survey), M. Summer, First Term, 8:10, Second Term, 9:15, Associate Professor Lyman; 7B (advanced course), Autumn, 10:45, Associate Professor Lyman.

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9. Argumentation and Debating.—Mj. Winter, 3:40, Associate Professor Lyman.

10. Forms of Public Address.—Mj. [Not given in 1917–18.]

11. The Organization and Development of the Press.—[Not given in 1917–18.]

12. The Teaching of Oral English in the Secondary School.—Mj. Spring 10:45, Associate Professor Lyman.

18. The Speaking Voice and English Pronunciation.—Mj. Spring, 11:45, Associate Professor Clark.

19. English Phonology.—Mj. Summer, 8:10, Mr. Knott.

II. COURSES IN OLD AND MIDDLE ENGLISH

Courses in Old and Middle English fall into well-defined groups which are arranged so as to constitute consecutive work extending over three years. As nearly as possible they ought to be taken according to the following schedule:

First year: courses 21, 22, 23 (Old English), 28 (Chaucer), 32 (Grammar), 34A (History of Language), 36 (Old English Literature), 39 (Middle English Literature), 175 (Celtic Literature).

Second and third years: Language: courses 24 (*Cynewulf*), 26 (Middle English), 34B (History of Language), 35 (seminar). Literature: courses 27A, B, C, or D-E, 29A, B (Metrical Romances), 37A, B (Chaucer), 83 (Mediaeval Drama).

If possible, course 150 (Bibliography) should be taken by all graduate students in their first year. The courses recommended for second or third year are usually offered only in alternate years.

Attention is called to Comparative Philology 1; German 103, 104, 109, 112; Romance 76; English 170.

21. Old English (beginning course).—Mj. Summer, 9:15, Mr. Knott; Autumn, 9:15, Assistant Professor Hulbert.

22. Old English: Poetry.—Mj. Winter, 9:15, Assistant Professor Hulbert.

23. Old English: "Beowulf."—Mj. Summer, 10:45, Spring, 9:15, Assistant Professor Hulbert.

24. Old English: "Cynewulf."—Mj. Autumn, 9:15, Assistant Professor Knott.

25. Old English: The Pseudo-Cadmonian Poems.—[Not given in 1917–18.]

26. Early Middle English.—Mj. Spring, 10:45, Assistant Professor Hulbert.

27A, B, C. Middle English: Special Course.—27A. Mj. Summer, 9:15, Assistant Professor Hulbert; 27B. Mj. Winter, 10:45, Professor Knott.

27D, E. Middle English Alliterative Poetry Exclusive of "Piers the Plowman."—27D. Mj. Spring, 3:40, Professor Manly.

28. Chaucer: "The Canterbury Tales."—Mj. Summer, 11:50, Assistant Professor Griffin; Winter, 11:50, Assistant Professor Knott.

29A, B, C. English Metrical Romances.—[Not given in 1917–18.]

29C. Romances of the Troy Cycle.—Mj. Summer, 3:40, Assistant Professor Griffin.

31. The Science of Language.—Mj. [Not given in 1917–18.]

32. Modern English Grammar.—Mj. Autumn, 11:50, Assistant Professor Knott.

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33. English Grammar for Teachers.—[Not given in 1917–18.]

34A. The History of the English Language (for undergraduates).—Mj. Autumn, 10:45, ASSISTANT PROFESSOR HULBERT.

34B. The History of the English Language (for graduates).—[Not given in 1917–18.]

35A, B, C, D. Old English: Seminar.—[Not given in 1917–18.]

36. The History of Old English Literature.—Mj. Winter, 8:10, ASSISTANT PROFESSOR HULBERT.

37. Chaucer.—Mj. Spring, 2:35, PROFESSOR MANLY.

38. Pseudo-Chaucerian Pieces.—[Not given in 1917–18.]

39. The History of Middle English Literature.—Mj. [Not given in 1917–18.]

III. COURSES IN ENGLISH LITERATURE

These courses are designed to give the student a knowledge of the history of English Literature, at first in general (40), then in detail (courses 42–48, 84, 85, 87, 160), and finally in such minuteness as is necessary to furnish him with material for advanced studies and research. English 40 is advised for all students who have not had a thorough course in the history of English literature in the high school. English 41, 42–48, 75, 79, 85, 87, 88, 90, 91, and 160 are designed especially to give training in methods of literary study and presentation of results. Of these, 41, 47, 48, 87, 88, 90, 140, and 160 are recommended for undergraduates; 42–46, 75, and 91 for graduates who need such training.

40. An Introduction to English Literature.—Mj. Summer, 9:15, ASSOCIATE PROFESSOR CROSS; Autumn, 9:15, PROFESSOR MACCLINTOCK; Winter, 9:15 and 2:35, ASSOCIATE PROFESSOR FLINT, DRS. STEVENS AND SHERBURN, AND MR. GRABO; Spring, 9:15, ASSOCIATE PROFESSORS LINN AND FLINT.

41. Shakspere.—Mj. Summer, 11:40, MR. GRABO; Autumn, 11:40, ASSOCIATE PROFESSOR CROSS; Winter, 11:50, PROFESSOR TOLMAN; Spring, 11:50, PROFESSORS MACCLINTOCK AND LOVETT.

GROUP I. FOR THE SENIOR COLLEGES AND THE GRADUATE SCHOOL

Courses 42–48 cover with some minuteness the history of English literature from the beginning of the modern period down to the present time. They need not be taken in chronological order.

42. English Literature, 1557–1599.—Mj. Summer, 2:35, ASSOCIATE PROFESSOR BASKERVILL; Autumn, 11:50, PROFESSOR TOLMAN.

43. English Literature, 1599–1660.—Mj. Winter, 11:50, PROFESSOR LOVETT.

44. English Literature, 1660–1744.—Mj. Summer, 11:50, DR. STEVENS; Autumn, 8:15, PROFESSOR REYNOLDS.

46. English Literature, 1744–1798.—Mj. Winter, 9:15, PROFESSOR MACCLINTOCK.

47. English Literature, 1798–1832.—Mj. Summer, 9:15, ASSOCIATE PROFESSOR LINN; Autumn, 9:15, PROFESSOR LOVETT.

48A, B. English Literature, 1832–1892.—2Mjs. 48A (Poetry), Winter, 11:50, 48B (Prose), Spring, 11:50, ASSOCIATE PROFESSOR LINN.

50A, B. Studies in the Literature of the Elizabethan Period, 1150–1600.—2Mjs. A. *Beginning of English Literary Criticism.*—Autumn, M., W., 3:40–5:30. B. *Transitional Poetry of the English Renaissance.*—Winter, M., W., 3:40–5:30, ASSOCIATE PROFESSOR BASKERVILL.

51. The Beginnings of the Renaissance and the Reformation in England.—[Not given in 1917–18.]

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52. Studies in the English Drama of the Sixteenth and Seventeenth Centuries.—Mj. Summer, 3:40, Associate Professor Baskervill. Spring, M., W., 3:40–5:30.

54. Studies in the English Heroic Play.—[Not given in 1917–18.]

56A, B. Studies in Romanticism in English Literature.—2Mjs. A. *Tragedy, 1750–1800.*—Winter, 11:45. B. *The Works of William Blake.*—Spring, 11:45, Professor MacClintock.

57. Studies in English Literature of the Eighteenth Century: The Letter Writers.—Mj. Summer, 3:40, Professor Reynolds.

60. Studies in English Literature of the Later Nineteenth Century.—Mj Winter, 3:40, Professor Lovett.

61. Studies in the History of Fiction.—[Not given in 1917–18.]

69. The Life and Works of Spenser.—Mj. Autumn, 2:35, Associate Professor Baskervill.

70A, B. Shakspere.—2Mjs. Autumn and Winter, 10:45, Professor Tolman.

71. Shakspere's Tragedies.—Mj. [Not given in 1917–18.]

72. Shakspere's Comedies.—Mj. Summer, 10:45, Autumn, 11:45, Professor MacClintock.

73. Problems in Shakspere.—Mj. Spring, 10:45, Professor Tolman.

74. The Shakspere Apocrypha.—[Not given in 1917–18.]

75. Milton.—M. Summer, 1:30, Professor Lovett and Dr. Stevens.

76A. The English Romantic Movement.—Mj. Spring, 8:10, Professor Reynolds.

77. Pope: The Satires.—Mj. [Not given in 1917–18.]

79. Browning and Tennyson.—Mj. Summer, 8:10, Professor Reynolds.

80A, B. The Teaching of Literature in the Secondary School.—80A (survey), M. Summer, First Term, 9:15; repeated M. Second Term, 8:10, Associate Professor Lyman; 80B, Winter, 2:35, Associate Professor Lyman.

83. The Mediaeval Drama.—Mj. Autumn, 2:35, Professor Manly.

84. The Drama in England from 1500 to 1600.—Summer, 8:10, Associate Professor Robertson; Mj. Winter, 2:35, Associate Professor Baskervill.

85. The Drama in England from 1600 to 1642.—Mj. Spring, 2:35, Associate Professor Baskervill.

86A. Representative English Comedy before 1700.—Mj. Autumn, 8:10, Professor Reynolds.

87A, B. The English Novel.—Mj. Summer, 10:45, Mr. Grabo.

88. The Technique of the Modern Novel.—[Not given in 1917–18.]

89. Studies in Eighteenth-Century Comedy.—Mj. Spring, Tu., Th., 3:40–5:30, Professor Reynolds.

90. The Literary Essay of England.—[Not given in 1917–18.]

91. Ballad and Epic Poetry.—Mj. Spring, 11:50, Professor Tolman.

102A. English Literary Criticism.—Mj. Summer, 9:15, Professor MacClintock.

103A, B. The Structure of English Verse.—2Mjs. [Not given in 1917–18.]

130. Pre-Raphaelitism in English Literature.—Mj. Spring, 9:15, Professor MacClintock.

140. The Technique of the Drama.—[Not given in 1917–18.]

141. The Technique of Criticism.—Spring, 3:40, Professor Herrick.

142A. Contemporary Literature.—Mj. Winter, 3:40, Professor Herrick.

150. The Bibliography and Methods of English Literary History.—Mj. Autumn, Tu., Th., 3:40–5:30, Professor Manly.

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160A. Early American Literature.—Mj. Autumn, 8:10, Associate Professor Boynton.

160B. American Literature in the Nineteenth Century.—Mj. Summer, 1:30, Dr. Sherburn; Winter, 8:10, Associate Professor Boynton; Spring, 9:15, Associate Professor Boynton.

160C. American Literature since 1890.—Mj. Spring, 8:15, Associate Professor Boynton.

161A, B. Studies in American Literature.—2Mjs. A. *Colonial Period.*—Autumn, 9:15. B. *Nineteenth Century.*—Winter, 9:15, Associate Professor Boynton.

170. Early Irish.—2Mjs. Winter, Spring, 1:30, Associate Professor Cross.

173. Arthurian Material in English Literature.—Mj. Winter, 2:35, Associate Professor Cross.

174. The Mediaeval Revival in the Eighteenth Century.—Mj. Spring, 2:35, Associate Professor Cross.

175. Introduction to Celtic Literature.—Mj. Summer, Autumn, 2:35, Associate Professor Cross.

180. Seminar.—Mj. Autumn. Hours to be arranged. Professor Manly.

Attention is called to the following courses in other departments which may be counted as fulfilling requirements in English:

Philosophy 6. Movements of Thought in the Nineteenth Century.—Mj. Spring, 10:45, Professor Mead.

Sanskrit 1. General Introduction to the Study of Language.—M. Summer, Second Term, 10:30; Mj. Spring, 10:45, Professor Buck.

THE DEPARTMENT OF GENERAL LITERATURE

OFFICERS OF INSTRUCTION

A. INSTRUCTORS ATTACHED TO THE DEPARTMENT OF GENERAL LITERATURE

Richard Green Moulton, Ph.D., Professor of Literary Theory and Interpretation and Head of the Department of General Literature.

George Carter Howland, A.M., Associate Professor of the History of Literature.

B. MEMBERS OF OTHER DEPARTMENTS OFFERING COURSES IN THIS DEPARTMENT

James Hayden Tufts, Ph.D., LL.D., of the Department of Philosophy.

James Henry Breasted, Ph.D., of the Department of Oriental Languages and Literatures.

John Merlin Powis Smith, Ph.D., of the Department of Oriental Languages and Literatures.

Walter Eugene Clark, Ph.D., of the Department of Sanskrit and Indo-European Comparative Philology.

Paul Shorey, Ph.D., LL.D., of the Department of the Greek Language and Literature.

Starr Willard Cutting, Ph.D., of the Department of Germanic Languages and Literatures.

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MARTIN SCHÜTZE, PH.D., of the Department of Germanic Languages and Literatures.

PHILIP SCHUYLER ALLEN, PH.D., of the Department of Germanic Languages and Literatures.

ADOLF CARL VON NOÉ, PH.D., of the Department of Germanic Languages and Literatures.

CHESTER NATHAN GOULD, PH.D., of the Department of Germanic Languages and Literatures.

WILLIAM DARNALL MACCLINTOCK, A.M., of the Department of English.

ROBERT HERRICK, A.B., of the Department of English.

ALBERT HARRIS TOLMAN, PH.D., of the Department of English.

PERCY HOLMES BOYNTON, A.M., of the Department of English.

GEORGE WILEY SHERBURN, PH.D., of the Department of English.

INTRODUCTORY

The Heads and acting Heads of the Departments of Oriental Languages and Literatures, New Testament and Early Christian Literature, Sanskrit and Indo-European Comparative Philology, Greek Language and Literature, Latin Language and Literature, Romance Languages and Literatures, Germanic Languages and Literatures, English Language and Literature, and General Literature compose the Committee of Management for the Department of General Literature.

The Department of General Literature, formerly known as the Department of Literature (in English), has for its theoretic basis the unity of all literature. The purpose of the Department is, by its own courses and by co-operation with the other Departments named above, to afford facilities for the study of literature not limited by the divisions between particular languages and peoples.

The courses of the Department are open to students of the Senior Colleges and of the Graduate School of Arts and Literature. They are designed for two different classes of students: (1) those whose main work is remote from Literature, but who may desire some literary culture as an element of liberal education; (2) those who, whether in their Senior College or their graduate work, desire to specialize in literature. [Particular courses in Biblical Literature, where it is so specified, but no others, are open to students of the Junior Colleges who have completed twelve majors.]

The work of the Department falls into three sections:

I. General Literature (irrespective of divisions between particular languages), treated as a part of general culture rather than specialized study. In this section no knowledge will be assumed of any language other than English.

II. The Theory of Literature, including Literary Interpretation and Literary Criticism. For purposes of practical education it is believed to be impossible without the use of literature in translation to obtain a sufficiently wide induction from literary phenomena to make studies like these scientific. In this section knowledge of the original languages of the literatures concerned may or may not be assumed.

III. Comparative Literature, as the term is generally understood. The work of this section will assume knowledge of the original languages of the principal literatures concerned.

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SENIOR COLLEGE COURSES

For Senior College courses no knowledge is assumed of any language other than English. They are designed for students who may desire, at this stage of their education, to gain an intelligent appreciation of the great landmarks of world literature, acquaintance with which is an essential of liberal education alike for those whose main interests are, and those whose main interests are not, literary.

While any course may be taken by itself, yet students are strongly recommended to select courses on some intelligent plan of grouping. See sequences given below.

SEQUENCES

1 or 1A, World Literature; 2, Literary Study of the Bible; 3B, Ancient Epic and Tragedy for English Readers; 4, Electra and Other Stories in Ancient and Modern Dramatizations; 5, Dante in English; 6, the Story of Faust; 10, Dramatists of the Present Day; 11, The Short Story in Contemporary European Literature; 14, The Contemporary European Novel; 21, The Drama in the Sixteenth and Seventeenth Centuries; 22, The Mediaeval and Modern Epic; 23, Cervantes and His Contemporaries; 24, Ballad and Epic Poetry; 25, History of Sanskrit Literature; 26, The Literature of the Early Orient; 27 ff., Old and New Testament Courses; 40, Foundation Principles of the Study of Literature; 41, Literary Criticism and Theory of Interpretation.

PRINCIPAL SEQUENCE

(The order of courses is immaterial, except that course 1 should come as early as possible.)

Presenting the main field of general literature: courses 1 (or 1A), 2, 3B, 4, 5, 6; two out of courses 10–23; one out of courses 24–39. (Modifications: 40 or 41 may be substituted for any course except 1. Course 24 may be substituted for 3B.)

SECONDARY SEQUENCES

(The order of courses is immaterial, except that course 1 should come as early as possible.)

a) Presenting the field of General Literature as far as seems practicable within the two years of Senior College work: courses 1 (or 1A), 2, 3B, 4, 5, 6. (Modifications: One out of courses 10–15 may, if it is so desired, be substituted for any course except course 1. Course 24 may be substituted for 3B. Course 40 or 41 may be substituted for any course except course 1.)

b) Dealing chiefly with modern literature, and suggested for students whose main work is in Greek or Latin or Hebrew: courses 1 and 40, two out of courses 5–15, two out of courses 20–23.

c) Suggested as supplementary to work done in the Department of English: courses 1, 2, 3B, 4, 40, one out of courses 5–39.

For combined sequences in the Modern Language Group, see pp. 195–96.

REQUIREMENTS FOR HIGHER DEGREES

1. Graduate students offering work in this Department as the single secondary subject for the degree of Ph.D., or as the principal subject for the degree of Ph.D., will be required to take courses in Biblical Literature and in Greek-Roman Literature, unless the Department is satisfied that adequate work in these studies has been done by the candidate previously.

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2. So far as this Department is reponsible for a course of work leading to a Master's degree, it is expected that such work should include (1) Theory of Literature, (2) both Biblical and Greek-Roman Literatures. This second requirement may be waived in the case of candidates whose previous records show satisfactory acquaintance with those literatures.

3. Graduate students offering work in this Department as the single secondary subject for the degree of Ph.D. must take (*a*) at least two majors in Section III, (*b*) not less than three and not more than four majors in Section II, of which course 40 (or its equivalent) must be one.

4. Graduate students offering work in this Department as the principal subject for the degree of Ph.D. must take at least one-half of their work in Section III, this work involving knowledge of the languages of the principal literatures concerned. They will also be required to take course 40 (or its equivalent) and two more majors in Section II. [It is not found practicable at present to offer sufficient courses in Section III to render work in this Department available as principal subject for the degree of Ph.D.]

The Department of General Literature being in its nature supplementary to the other language and literature departments, it will often happen that particular courses in those departments can be substituted for, or used to supplement, courses in General Literature. This is especially the case in regard to Section III.

COURSES OF INSTRUCTION

I. COURSES IN GENERAL LITERATURE

NOTE.—These are (unless otherwise stated) Senior College courses; but usually students may, with the approval of the instructor, obtain graduate credit by doing additional work.

1A. Word Literature: Its Field and Methods.—Mj. Winter, 10:45, PROFESSOR MOULTON.

2. Literary Study of the (English) Bible.—M. Summer (First Term), 2:35; Mj. Winter, 9:15, PROFESSOR MOULTON.

3B. Ancient Epic and Tragedy for English Readers.—Mj. PROFESSOR MOULTON. [Not given in 1917–18.]

4. Electra and Other Stories in Ancient and Modern Dramatizations.—Mj. Autumn, 10:45, ASSOCIATE PROFESSOR HOWLAND.

5. Dante in English.—Mj. Summer, 8:00, and Autumn, 9:15, ASSOCIATE PROFESSOR HOWLAND.

6. The Story of Faust.—Mj. Spring, 8:10, ASSOCIATE PROFESSOR HOWLAND.

10. Dramatists of the Present Day.—Mj. Spring, 9:15, ASSOCIATE PROFESSOR HOWLAND.

11. The Short Story in Contemporary European Literature.—Mj. ASSOCIATE PROFESSOR HOWLAND. [Not given in 1917–18.]

14. The Contemporary European Novel.—Mj. Summer, 9:00, ASSOCIATE PROFESSOR HOWLAND.

21. The Drama in the Sixteenth and Seventeenth Centuries.—Mj. ASSOCIATE PROFESSOR HOWLAND. [Not given in 1917–18.]

22. The Mediaeval and Modern Epic.—Mj. Winter, 2:35, ASSOCIATE PROFESSOR HOWLAND.

23. Cervantes and His Contemporaries.—Mj. ASSOCIATE PROFESSOR HOWLAND. [Not given in 1917–18.]

24. Ballad and Epic Poetry.—Mj. PROFESSOR TOLMAN. [Not given in 1917–18.]

25. History of Sanskrit Literature.—Mj. DR. CLARK.

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26. The Literature of the Early Orient.—Mj. Spring, PROFESSOR BREASTED.

27. Beginnings of Old Testament Literature and History.—[See Oriental Languages and Literatures 80.] Mj. Autumn, PROFESSOR SMITH.

28. History and Prophecy.—[See Oriental Languages and Literatures 81.] Mj. Winter, PROFESSOR SMITH.

[See also New Testament and Early Christian Literature, 101.]

II. COURSES IN THEORY OF LITERATURE

NOTE.—These are graduate courses, but (unless otherwise specified) open to students in the Senior Colleges.

40. Foundation Principles of the Study of Literature.—M. Summer (First Term), 11:50, PROFESSOR MOULTON.

41. Literary Criticism and Theory of Interpretation.—Mj. PROFESSOR MOULTON. [Not given in 1917–18.]

45. Aesthetics.—Mj. Spring, PROFESSOR TUFTS.

46. Homer in European Literature and Culture.—Mj. Winter, 3:30, PROFESSOR SHOREY.

47. The Greater French Essayists and Their Bearing upon the Essay in English Literature.—Mj. Winter, 1:30, ASSOCIATE PROFESSOR HOWLAND.

[See also Romance, 26, 27, 28.]

50. English Literary Criticism.—[See English 102A.] Mj. Summer, 9:15, PROFESSOR MACCLINTOCK.

51. The Technique of Criticism.—Mj. Spring, 3:40, PROFESSOR HERRICK.

52. Contemporary Literature.—Mj. Winter, 3:40, PROFESSOR HERRICK.

53. Early American Literature.—Mj. Summer, 1:30, DR. SHERBURN; Autumn, 8:10, ASSOCIATE PROFESSOR BOYNTON.

III. COURSES IN COMPARATIVE LITERATURE

NOTE.—These are graduate courses.

60. Old Norse-Icelandic Poetry.—[See Germanics 147.] Mj. Spring, 11:50, ASSISTANT PROFESSOR GOULD.

61. History of Literature in Europe from 800 to 1100.—[See Germanics 149.] Mj. Spring, ASSOCIATE PROFESSOR ALLEN.

62. The German Popular Epic: The Nibelungenlied.—[See Germanics 151.] Mj. Autumn, 2:30, PROFESSOR CUTTING.

63. The Literary Relations between France and Germany in the Eighteenth Century.—[See Germanics 190B.] Mj. Spring, 8:10, ASSISTANT PROFESSOR VON NOÉ.

64. Goethe's "Faust."—[See Germanics 279.] Mj. Summer, Th., 4:00–6:00, PROFESSOR SCHÜTZE.

THE DEPARTMENT OF MATHEMATICS

OFFICERS OF INSTRUCTION

ELIAKIM HASTINGS MOORE, PH.D., LL.D., SC.D., MATH.D., Professor and Head of the Department of Mathematics.

HERBERT ELLSWORTH SLAUGHT, PH.D., SC.D., Professor of Mathematics.

GEORGE WILLIAM MYERS, PH.D., Professor of the Teaching of Mathematics and Astronomy, the School of Education.

LEONARD EUGENE DICKSON, PH.D., Professor of Mathematics.

GILBERT AMES BLISS, PH.D., Professor of Mathematics.

ERNEST JULIUS WILCZYNSKI, PH.D., Professor of Mathematics.

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JACOB WILLIAM ALBERT YOUNG, PH.D., Associate Professor of the Pedagogy of Mathematics.

ARTHUR CONSTANT LUNN, PH.D., Associate Professor of Applied Mathematics

DERRICK NORMAN LEHMER, PH.D., Associate Professor of Mathematics, University of California (Summer, 1917).

GEORGE DAVID BIRKHOFF, PH.D., Assistant Professor of Mathematics, Harvard University (Summer, 1917).

FELLOWS, 1917–18

CORNELIUS GOUWENS, A.M.
ERNEST PRESTON LANE, A.M.
WEBSTER GODMAN SIMON, A.M.
MINNA JOHANNA SCHICK, A.M.

GENERAL STATEMENT

The regular Junior College courses are courses 1, 2, 3, 6, and 15.

Students who expect to specialize in Mathematics, Astronomy, or Physics should confer with the instructors in Mathematics in planning their courses. They should take courses 1, 2, 3, 18, 19, and 20. It is possible, however, for students of exceptional ability in Mathematics to pass from course 2 to course 18, if course 3 is taken at the same time as course 18. Students who desire to have at least a glimpse beyond the elements of mathematics should elect courses 3 and 15.

The following courses introductory to the Higher Mathematics are intended both (1) for students making Mathematics their principal subject, and (2) for those making Mathematics their secondary subject, in particular for students of Astronomy and Physics: (A) †Differential and integral calculus with applications (3Mjs.); (B) †Solid analytics; selected topics in geometry; theory of equations; determinants and elementary invariants; (C) †Analytic mechanics (2Mjs.); vector analysis; celestial mechanics (2Mjs.); theory of the potential; (D) †Advanced calculus, †differential equations, †theory of definite integrals, elliptic integrals, Fourier series and Bessel functions, elements of the theory of functions; (E) Synthetic projective geometry; analytic projective geometry; differential metric geometry; differential projective geometry; (F) Theory of numbers; theory of invariants; selected chapters of algebra; theory of substitutions with applications to algebraic equations; less quaternions.

Groups (A)–(F) indicate six sequences of courses running through the usual academic year from October to June. These sequences vary slightly from year to year; the courses marked (†) are given annually and the other courses usually once in two years.

The undergraduate student who wishes to specialize in Mathematics should take courses of group (A) as Junior College electives, of (B) in his first Senior College year, and of (C) and (D) in his second Senior College year.

The courses of groups (A)–(F) and the special courses in the Higher Mathematics are intended to give the graduate student a comprehensive view of modern mathematics, to develop him to scientific maturity, and to enable him to follow, without further guidance, the scientific movement of the day in mathematics, and, if possible, to take an active part in it by creative research. The special and research courses vary from year to year. They may be classified, in general, as

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relating to (*a*) Algebra and Arithmetic; (*b*) Analysis; (*c*) Geometry; (*d*) Mechanics and Applied Mathematics; and (*e*) the Foundations and Interrelations of the Mathematical Disciplines as purely abstract deductive systems. Attention is called to courses of type (*d*) offered by the Departments of Astronomy and Physics.

The proper arrangement of courses is a matter of extreme importance; the best arrangement for any student depends on his previous mathematical studies, and should be determined by conference with some member of the Department.

The courses of the Summer Quarter are designed to meet the needs of those college men, and others wishing to study Advanced Mathematics, who are able to spend only the summer in residence. The courses of a series of four summer quarters are arranged so as to give a wide view of modern mathematics.

Scholarship examinations.—The competitive examinations for the Senior College Scholarship and for the Graduate Scholarship in Mathematics are held each Spring Quarter at times and places announced in the *Weekly Calendar*. Prospective candidates should confer with the Departmental Examiner in Mathematics. Files of papers set at previous Scholarship examinations are accessible in the Departmental Library. Candidates for the Senior College Scholarship will be examined on courses 1, 2, and 3; those for the Graduate Scholarship on courses 18, 19, 20, 31, 32, 47, 48, and 49.

Models.—A collection of Brill's models: plaster and thread models of quadric surfaces, plaster models of cubic and Kummer's quartic surfaces, models of cyclides and surfaces of constant positive and negative curvature, and thread models of three-dimensional projections of four-dimensional regular bodies.

LIST OF COURSES FOR UNDERGRADUATES

1. Plane Trigonometry (if taken in college); 2, College Algebra; 3, Analytic Geometry; 6, College Geometry; 15, Introductory Calculus; 18, Differential Calculus; 19, Integral Calculus; 20, Application of Calculus; 21, Advanced Calculus; 23, 24, Theory of Equations; 28, Selected Topics in Mathematics; 29, 30, Projective Geometry, I, II; 31, Solid Analytics; 34, 35, Limits and Series; 37, Critical Review of Secondary Mathematics; 38, Synoptic Course in Mathematics; 47, Differential Equations; 48, Elliptic Integrals; 49, Definite Integrals; 50, Fourier Series and Bessel Functions.

MATHEMATICAL SEQUENCES FOR UNDERGRADUATES

All courses offered by the Department of Mathematics or given numbers in its printed Announcements (called "mathematical majors" in what follows) may be used in mathematical sequences, except those whose numbers begin with 0. Courses admissible for sequences in the Departments of Physics and Astronomy may also be used in mathematical sequences to an amount not greater than one-third of the total number of majors.

Principal sequences.—A principal sequence may consist of any nine admissible majors provided at least three mathematical majors are included whose numbers are higher than 17.

Secondary sequences.—A secondary sequence may consist of any six admissible majors provided at least one mathematical major is included whose number is higher than 14.

The admissible Junior and Senior College courses in mathematics now listed are enumerated above, and from these the sequences will ordinarily be chosen;

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but in exceptional cases mature students might select certain more advanced courses, such as: 91, Introduction to Higher Algebra; 101, Theory of Functions of a Real Variable; 121, Theory of Functions of a Complex Variable; 160, Vector Analysis. In such cases, and in all cases of doubt as to the arrangement of sequences, students should consult the departmental officers.

The following are given as illustrations of typical sequences:

PRINCIPAL SEQUENCES

a) Courses 1, 2, 3, 18, 19, 20, 47, 48, 49.
b) Courses 1, 2, 3, 18, 19, 23, 24, 31, 38.

SECONDARY SEQUENCES

a) Courses 1, 2, 3, 18, 19, 20.
b) Courses 1, 2, 3, 15, 23 or 29, 31 or 34.

MATHEMATICS AND ASTRONOMY

Principal Sequences

a) Courses 1, 2, 3, 18, 19, 20, Astronomy and Astrophysics 5, 6, 7.
b) Courses 1, 2, 3, 18, 19, Astronomy and Astrophysics 3A, 3B, 4.

Secondary Sequences

a) Courses 1, 2, 3, 15, Astronomy and Astrophysics 1, 7.
b) Courses 1, 2, 3, 15, Astronomy and Astrophysics 3A, 3B.

MATHEMATICS AND PHYSICS

Principal Sequences

a) Courses 1, 2, 3, 18, 19, 47, Physics 3, 4, 5.
b) Courses 1, 2, 3, 15, 23, 24, Physics 3, 4, 6.

Secondary Sequences

a) Courses 1, 2, 3, 15, Physics 3, 4.
b) Courses 1, 2, 3, 23, Physics 3, 4.

SEQUENCES FOR PROSPECTIVE TEACHERS

Principal Sequences

a) Courses 1, 2, 3, 18, 19, 23, 31, 37, 38.
b) Courses 1, 2, 6, 15, 26, 32, 34, 36 or 37, 39.

Secondary Sequences

Courses 1, 2, 3, 15, 23 or 31, 37 or 38.

Students preparing to teach mathematics in secondary schools, either as a major or as a minor subject, should take Education 66, Educational Psychology, and 1, Principles of Education, and should take practice teaching in the School of Education.

MATHEMATICAL CLUBS

The Departmental Club meets regularly for the review of memoirs and books and for the presentation of results of research. The club is conducted by the members of the Faculties of Mathematics and Mathematical Astronomy. Graduate students of the Departments are expected to attend and otherwise to participate in the meetings of the club.

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The Junior Mathematical Club, with fortnightly meetings, is conducted by the graduate students of the Departments of Mathematics and of Astronomy and Astrophysics.

HIGHER DEGREES

Master's degree.—Candidates for the Master's degree in Mathematics are expected, on the basis of a principal sequence of nine majors of undergraduate mathematics, to offer for examination eight approved courses of groups (*a*)–(*e*), including the elements of the theory of functions, and to present a satisfactory thesis on an assigned topic closely related to the subject of one of the courses.

Degree of Doctor of Philosophy.—Candidates for the Doctor's degree with Mathematics as secondary subject are expected to offer for examination nine approved courses in advance of course 3.

Candidates for the Doctor's degree with Mathematics as principal subject are expected (1) to offer for examination the subjects covered by fifteen majors of initial courses of groups (B)–(F), including two of each of the types (*a*)–(*e*), and by a considerable body of special courses, in each case presumably most closely related to the subject of the doctoral dissertation, and (2) to present a dissertation, in finished form, embodying valuable results of mathematical inquiry. The subject of the dissertation may be a topic of pure or applied mathematics or of the history, philosophy, or pedagogy of mathematics.

PREPARATION FOR TEACHING

Courses in the history and the teaching of Elementary Mathematics—Arithmetic, Algebra, Geometry, Trigonometry, Analytic Geometry, Calculus, Mechanics—are offered by this Department and the School of Education. These courses embody the conviction that elementary students need to have their mathematics made, not easier, but more perfectly intelligible and attractive. To this end it is believed that teachers should more generally appreciate and utilize in instruction the unity of mathematics, as made up of various closely interrelated parts, and the character of mathematics, as an ideal science developed by abstraction from various more concrete domains.

A) *Secondary-school positions.*—Students who expect to teach mathematics as a major subject in secondary schools should complete at least the following courses in their undergraduate career: (1) Courses in pure mathematics: Trigonometry, College Algebra, Plane Analytic Geometry, Differential and Integral Calculus and Applications of Calculus, Theory of Equations, and the Synoptic course; (2) Courses in applied mathematics: Descriptive Astronomy, Mechanics, and General Physics; (3) The two courses, Principles of Education and Methods of Education, which may be taken either in the Junior College or in the Senior College; (4) Practice teaching in mathematics in the University High School, for which the foregoing courses in education are prerequisite; (5) A course in the Teaching of Secondary Mathematics and a course in the History of Secondary Mathematics.

B) *Minor collegiate positions.*—Those who look forward to teaching mathematics in normal schools and small colleges should as undergraduates complete at least the following courses: (1) The general courses in education and those

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in the history and teaching of mathematics mentioned in (3) and (5) above; (2) The content courses specified in (1) and (2) above, together with Advanced Calculus (3 majors).

Candidates for these positions should take at least one year of graduate work leading to the Master's degree in Mathematics and during this year should visit some of the college courses in Mathematics with the purpose of observing methods of teaching. It is the intention of the Department to offer such candidates opportunity, as far as possible, to act as assistants in connection with the collegiate classes, in order that they may gain experience through both observation and practice.

C) *University positions.*—Candidates for university positions should qualify for the Doctor's degree. Courses in the history of mathematics and in the principles and practice of education are strongly recommended.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

00. Advanced Algebra.—Mj. Autumn, MR. ———.

01, 02. Plane Geometry I, II.—Two consecutive majors. Winter and Spring, MR. ———.

1. Plane Trigonometry.—Mj. Summer, PROFESSOR SLAUGHT; Autumn, 3 sections, ASSOCIATE PROFESSOR LAVES, MR. ———, AND MR. ———; Winter, 2 sections, ASSOCIATE PROFESSOR LUNN AND MR. ———; Spring, PROFESSOR SLAUGHT AND MR. ———.

2. College Algebra.—Prerequisite: course 1. Mj. Summer, 2 sections, PROFESSOR WILCZYNSKI; Autumn, MR. ———; Winter, ASSOCIATE PROFESSOR YOUNG; Spring, MR. ———.

3. Analytic Geometry.—Mj. Summer, ASSOCIATE PROFESSOR LEHMER; Autumn, PROFESSOR MOORE; Winter, ASSOCIATE PROFESSOR YOUNG; Spring, ASSOCIATE PROFESSOR YOUNG.

15. Introductory Calculus.—Mj. Spring, ASSOCIATE PROFESSOR YOUNG.

II. SENIOR COLLEGE COURSES

18, 19, 20. Calculus I, II, III.—Autumn, Winter, and Spring, 2 sections, PROFESSORS BLISS, SLAUGHT, AND MR. ———.

18, 19. Calculus I, II.—Winter and Spring, PROFESSOR WILCZYNSKI.

18. Calculus I: Differential Calculus.—Mj. Summer, ASSOCIATE PROFESSOR YOUNG.

19. Calculus II: Integral Calculus.—Mj. Summer, ASSISTANT PROFESSOR BIRKHOFF.

21. Advanced Calculus.—Mj. Autumn, ASSOCIATE PROFESSOR LUNN.

22. Elementary Theory of Equations.—Mj. Winter, 1919, PROFESSOR DICKSON.

23. Theory of Equations I.—Mj. Autumn, PROFESSOR DICKSON.

24. Theory of Equations II.—Mj. Winter, PROFESSOR DICKSON.

28. Selected Topics in Mathematics.—Mj. [Not given in 1917–18.]

29. Synthetic Projective Geometry.—Mj. Summer, ASSOCIATE PROFESSOR LEHMER.

29, 30. Projective Geometry, I, II.—Two consecutive majors. Winter and Spring, 1920, PROFESSOR WILCZYNSKI.

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31. Solid Analytics.—Mj. Summer, ASSOCIATE PROFESSOR YOUNG; Spring, PROFESSOR DICKSON.

34. Limits and Series.—Mj. Spring, PROFESSOR MOORE.

35. Series.—M. Summer, First Term, PROFESSOR MOORE.

The Teaching of Elementary-School Mathematics (School of Education: Mathematics 1).—Mj. Winter, PROFESSOR MYERS.

The Teaching of Secondary Mathematics (School of Education: Mathematics 2).—Mj. Spring, PROFESSOR MYERS.

History of Mathematics (School of Education: Mathematics 5).—Mj. Winter, PROFESSOR MYERS.

37. Critical Review of Secondary Mathematics.—Mj. Summer, ASSOCIATE PROFESSOR YOUNG. [Not given in 1917.]

38. Synoptic Course in Advanced Mathematics.—Mj. PROFESSOR WILCZYNSKI. [Not given in 1917–18.]

Analytic Mechanics I, II. 2Mjs. Autumn and Winter, ASSOCIATE PROFESSOR LAVES.

47. Differential Equations.—Mj. Summer, PROFESSOR SLAUGHT; Autumn, PROFESSOR SLAUGHT.

48. Elliptic Integrals.—Mj. PROFESSOR SLAUGHT. [Not given in 1917–18.]

49. Theory of Definite Integrals.—Winter, PROFESSOR MOORE.

50. Fourier Series and Bessel Functions.—Mj. Spring, ASSOCIATE PROFESSOR LUNN. [Not given in 1918.]

III. GRADUATE COURSES

NOTE.—Students should register for graduate courses only after consultation with instructors.

65A, B, C, D. Reading and Research in Pure Mathematics.—PROFESSOR MOORE, PROFESSOR DICKSON, PROFESSOR BLISS, OR PROFESSOR WILCZYNSKI. Mj. or DMj. each Quarter.

66A, B, C. Reading and Research in Applied Mathematics.—PROFESSOR MOORE, PROFESSOR MYERS OR ASSOCIATE PROFESSOR LUNN. Mj. or DMj. each Quarter.

71. Theory of Numbers.—Mj. Autumn, 1919, PROFESSOR DICKSON.

74. Theory of Algebraic Numbers.—Mj. Winter, 1920, PROFESSOR DICKSON.

75. History of the Theory of Numbers.—Mj. Spring, PROFESSOR DICKSON.

81. Substitution Groups and Algebraic Equations.—Mj. Winter, PROFESSOR DICKSON.

82. Finite Groups.—Mj. Spring, 1919, PROFESSOR DICKSON.

84. Continuous Groups.—Mj. Summer, 1918, PROFESSOR BLISS.

91. Introduction to Higher Algebra.—Mj. Autumn, PROFESSOR DICKSON.

93. Theory of Algebraic Invariants.—Mj. Winter, 1919, PROFESSOR DICKSON.

98. Linear Algebra.—Mj. Spring, 1920, PROFESSOR DICKSON.

101. Theory of Functions of a Real Variable.—Mj. Autumn, 1919. PROFESSOR BLISS.

102. Ordinary Linear Differential Equations of the Second Order.—Mj. Summer, ASSISTANT PROFESSOR BIRKHOFF.

104. Calculus of Variations.—Mj. Winter, 1920, PROFESSOR BLISS.

105. Functions of Lines.—Mj. Spring, 1920, PROFESSOR BLISS.

106. Partial Differential Equations.—Mj. Spring, 1919, PROFESSOR BLISS.

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108. Differential Equations from the Standpoint of Lie.—Mj. Winter, 1919, PROFESSOR BLISS.

111. Classes of Functions and Functional Operations in General Analysis.—Mj. Autumn, PROFESSOR MOORE.

112. Matrices in General Analysis.—Mj. Autumn, 1918, PROFESSOR MOORE.

113, 114. Theory of Functions of Infinitely Many Variables in General Analysis.—Two consecutive majors. Winter, Spring, 1919.

115, 116. Integral Equations in General Analysis.—Two consecutive majors. Winter, Spring, PROFESSOR MOORE.

119. Spectrum of Limited Symmetric Infinite Matrix.—M. Summer, PROFESSOR MOORE.

121. Theory of Functions of the Complex Variable.—Mj. Summer, ASSOCIATE PROFESSOR LUNN; Autumn, PROFESSOR BLISS.

122. Algebraic Functions.—Mj. Winter, PROFESSOR BLISS.

123. Elliptic Functions.—Mj. Spring, PROFESSOR BLISS.

130. Foundations of Geometry.—Mj. Spring, PROFESSOR MOORE. [Not given in 1918.]

141. Analytic Projective Geometry.—Mj. Summer, 1918.

142. Higher Plane Curves.—Mj. Autumn, PROFESSOR WILCZYNSKI. [Not given in 1917.]

144. Line Geometry.—Mj. [Not given in 1917–18.]

145. Higher Geometry.—Mj. Spring, 1919, PROFESSOR WILCZYNSKI.

151, 152. Metric Differential Geometry.—Two consecutive majors, Winter, Spring, PROFESSOR WILCZYNSKI.

154, 155. Projective Differential Geometry, I, II.—Two consecutive majors, Autumn, 1918, Winter, 1919, PROFESSOR WILCZYNSKI.

154. Projective Differential Geometry.—Mj. Summer, PROFESSOR WILCZYNSKI.

156. Theory of Plane Curves.—Mj. PROFESSOR WILCZYNSKI. [Not given in 1917–18.]

157. Theory of Ruled Surfaces and Space Curves.—Mj. PROFESSOR WILCZYNSKI. [Not given in 1917–18.]

158. Theory of Surfaces and Congruences.—Mj. PROFESSOR WILCZYNSKI. [Not given in 1917–18.]

160. Vector Analysis.—Mj. Summer, 1918, Autumn, 1919, ASSOCIATE PROFESSOR LUNN.

162. Applications of Vector Analysis in the Theory of Electromagnetism.—Mj. Winter, 1920, ASSOCIATE PROFESSOR LUNN.

163. Theory of Attraction and the Potential.—Mj. Autumn, ASSOCIATE PROFESSOR LUNN.

164. Dynamics of Oscillatory Systems.—Mj. Autumn, 1918, ASSOCIATE PROFESSOR LUNN.

166. Hydrodynamics.—Mj. Winter, 1919, ASSOCIATE PROFESSOR LUNN.

167. Theory of Elasticity.—Mj. ASSOCIATE PROFESSOR LUNN. [Not given in 1917–18.]

170. Probability and Statistics.—Mj. ASSOCIATE PROFESSOR LUNN. [Not given in 1917–18.]

171. Statistical Mechanics.—Mj. Winter, ASSOCIATE PROFESSOR LUNN. [Not given in 1918.]

172. Partial Differential Equations of Mathematical Physics; the Conduction of Heat.—Mj. Winter, ASSOCIATE PROFESSOR LUNN.

178. The Theory of Relativity.—Mj. Summer, ASSOCIATE PROFESSOR LUNN.

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CONSPECTUS OF COURSES OFFERED BY THE DEPARTMENT OF MATHEMATICS, 1917–18

Summer, 1917	Autumn, 1917	Winter, 1918	Spring, 1918
1. Plane Trigonometry (Slaught)	00. Advanced Algebra (———)	01. Plane Geometry I (———)	02. Plane Geometry II (———)
2. College Algebra (Wilczynski)	1. Plane Trigonometry (*a*) (Laves) (*b*) (———) (*c*) (———)	1. Plane Trigonometry (*a*) (Lunn) (*b*) (———)	1. Plane Trigonometry (*a*) (Slaught) (*b*) (———)
3. Analytic Geometry (Lehmer)	2. College Algebra (———)	2. College Algebra (Young)	2. College Algebra (———)
18. Differential Calculus (Young)	3. Analytic Geometry (Moore)	3. Analytic Geometry (Young)	3. Analytic Geometry (Young)
19. Integral Calculus (Birkhoff)	18. Calculus I (*a*) (Bliss) (*b*) (Slaught)	19. Calculus II (*a*) (Bliss) (*b*) (———)	15. Introductory Calculus (Young)
29. Synthetic Projective Geometry (Lehmer)	21. Advanced Calculus (Lunn)	18. Calculus I (Wilczynski)	20. Calculus III (*a*) (Bliss) (*b*) (Slaught)
31. Solid Analytics (Young)	23. Theory Equations I (Dickson) Analytic Mechanics I (Laves)	24. Theory Equations II (Dickson) Analytic Mechanics II (Laves)	19. Calculus II (Wilczynski)
35. Series (First Term) (Moore)	47. Differential Equations (Slaught)	49. Definite Integrals (Moore)	31. Solid Analytics (Dickson)
47. Differential Equations (Slaught)	91. Higher Algebra (Dickson)	81. Substitution Groups and Algebraic Equations (Dickson)	34. Limits and Series (Moore)
102. Linear Differential Equations Second Order (Birkhoff)	111. Introduction General Analysis (Moore)	115. Integral Equations in General Analysis I (Moore)	75. History Theory Numbers (Dickson)
119. Spectrum of Infinite Matrix (First Term) (Moore)	121. Functions Complex Variable (Bliss)	122. Algebraic Functions (Bliss)	116. Integral Equations in General Analysis II (Moore)
121. Functions Complex Variable (Lunn)	163. Attraction and Potential (Lunn)	151. Metric Differential Geometry I (Wilczynski)	123. Elliptic Functions (Bliss)
154. Projective Differential Geometry (Wilczynski)		172. Partial Differential Equations of Mathematical Physics: Conduction of Heat (Lunn)	152. Metric Differential Geometry II (Wilczynski)
178. Theory of Relativity (Lunn)			

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THE DEPARTMENT OF ASTRONOMY AND ASTROPHYSICS

OFFICERS OF INSTRUCTION

EDWIN BRANT FROST, A.M., Sc.D., Professor of Astrophysics; Director of the Yerkes Observatory.

SHERBURNE WESLEY BURNHAM, A.M., Sc.D., Emeritus Professor of Practical Astronomy at the Yerkes Observatory.

EDWARD EMERSON BARNARD, A.M., Sc.D., LL.D., Professor of Practical Astronomy at the Yerkes Observatory.

FOREST RAY MOULTON, PH.D., Professor of Astronomy.

KURT LAVES, PH.D., Associate Professor of Astronomy.

JOHN ADELBERT PARKHURST, S.M., Assistant Professor of Practical Astronomy at the Yerkes Observatory.

STORRS BARROWS BARRETT, A.B., Assistant Professor of Astrophysics; Secretary and Librarian of the Yerkes Observatory.

WILLIAM DUNCAN MACMILLAN, PH.D., Assistant Professor of Astronomy.

GEORGES VAN BIESBROECK, DR.ENG., Assistant Professor of Practical Astronomy at the Yerkes Observatory.

OLIVER JUSTIN LEE, S.M., PH.D., Instructor in Practical Astronomy at the Yerkes Observatory.

GEORGE SPENCER MONK, S.B., Assistant in Stellar Spectroscopy.

FELLOWS, 1917–18

ISRAEL ALBERT BARNETT, S.M. HANNAH BARD STEELE, A.M.

INTRODUCTORY

The work of the Department of Astronomy and Astrophysics is divided into two parts: (1) Work at the University, comprising: (*a*) elementary instruction in general Astronomy, both theoretical and practical; (*b*) preliminary training in the principles and methods of work underlying the science of Astrophysics (given in part in the Department of Physics); (*c*) graduate and research work in Celestial Mechanics. (2) Graduate and research work in Practical Astronomy and Astrophysics in the Yerkes Observatory at Williams Bay, Wisconsin. (1) At the University, in the work given by Professor Moulton, Associate Professor Laves, and Assistant Professor MacMillan, emphasis will be laid on the development of the mathematical principles and methods which form the basis of the physical sciences. In addition to the courses in Descriptive Astronomy, Introduction to Celestial Mechanics, and Analytic Mechanics, courses on Periodic Orbits and in the various other branches of Celestial Mechanics will be given within periods not exceeding three years. The most fundamental subjects will be arranged so as to recur at regular intervals, while other more special topics will vary from time to time. The general object of the instruction will be to give experience and preliminary training in the work of observation and reduction; to furnish the student an adequate mathematical basis for successful work in Celestial Mechanics, and to direct research work in Celestial Mechanics. The Departmental Club meets fortnightly for the review of memoirs and books and

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for the presentation of results of research. The club is conducted by the members of the Faculties of Mathematics and Mathematical Astronomy. Graduate students of Mathematical Astronomy are expected to attend regularly and, so far as possible, to participate actively in the meetings of the club. (2) At the Yerkes Observatory the advanced student is made familiar with modern methods of research in various branches of Practical Astronomy and Astrophysics. The rapid development of the latter science within the last two decades has been fully recognized in the equipment of the Observatory; the special laboratory facilities make some investigations possible which cannot be carried on where the equipment is less complete. In general, the work in progress during the year 1917–18 will include: Researches in solar physics with the spectroscope, spectroheliograph, and photoheliograph; micrometric observations of double stars, planets, satellites, nebulae, and comets; studies of photographic stellar spectra and determinations of motions in the line of sight; photography of stars, comets, nebulae, etc.; photographic investigations of stellar parallax; research in visual and photographic photometry; special astrophysical researches. The opportunity of taking part in these investigations is deemed of more advantage to the qualified student than set courses of instruction; but regular programs of work, with courses of collateral reading, will be laid out as conditions require. During the Summer Quarter illustrated lectures particularly intended for graduate students are given on one evening of each week by members of the staff. The Astronomical Club also meets regularly—weekly during the Summer Quarter—for the discussion of assigned topics in Astronomy and Astrophysics.

FACILITIES

For instruction in Practical Astronomy a students' observatory is maintained. It is equipped with a modern Warner & Swasey equatorial telescope of 6½ inches aperture, which is provided with a filar micrometer, a 5-inch refractor, a 3-inch Bamberg transit instrument, a Bamberg universal instrument, a Riefler sidereal clock, a chronometer, and various smaller accessories. The laboratory courses offered by the Department of Physics afford excellent preliminary training for the work in Astrophysics.

For a description of the Yerkes Observatory see the *Annual Register* of the University of Chicago, Part V. An illustrated pamphlet of 24 pages, describing the observatory in detail, may be obtained on application.

DEGREES

The Master's degree.—Students working for a Master's degree in Astronomy are advised to choose three majors of graduate work in the Department of either Mathematics or Physics and six majors in the Department of Astronomy from courses numbered 5 to 10, 22, and 23. Those working for the Master's degree in Practical Astronomy or Astrophysics at the Yerkes Observatory are not required to spend part of their time at the University, although this is advised where possible.

The degree of Doctor of Philosophy.—The courses prescribed for the Master's degree together with three other graduate courses will meet the requirement for the Doctor's degree where Astronomy is the minor subject.

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Candidates for the Doctor's degree, with Astronomy as major subject, are expected to make their secondary subject either Mathematics or Physics. Students intending to specialize in the lines of Astrophysics will be required to take the work in Theoretical Physics, Advanced Experimental Physics, Sound and Light, and Physical Manipulation. The courses in Astronomy which will be required depend on the phase of the subject which the candidate elects for his work. Students specializing in Celestial Mechanics are expected to spend six months at the Yerkes Observatory, and those working in Practical Astronomy and Astrophysics are expected to spend at least two quarters at the University.

COURSES OF INSTRUCTION

SEQUENCES

3A and B, Descriptive Astronomy; 2, Spherical Trigonometry, with applications; 5, 6, Analytic Mechanics; 7A and B, Practical Astronomy; 10, Spectroscopy and Astrophysics; 22, 23, Celestial Mechanics; Mathematics 3, Analytic Geometry; 18, 19, Calculus; Physics 3, Mechanics, Molecular Physics, Heat; 4, Electricity, Sound, and Light.

The Department offers no nine-major sequences.

SECONDARY SEQUENCES

I. Astronomy

Courses 3A, 3B, 2, 7A, 7B, 10.

II. Astronomy and Mathematics

Courses 3, 18, 19 in Mathematics, 5, 6, 22 in Astronomy.

III. Astronomy and Physics

Courses 3A, 3B, Physics 3, 4, Astronomy 10, 7.

A. JUNIOR COLLEGE COURSES

1. Descriptive Astronomy (shorter course).—Mj. Summer, PROFESSOR MOULTON; Spring, PROFESSOR MOULTON AND ASSISTANT PROFESSOR MACMILLAN.

2. Spherical Trigonometry with Applications to Astronomy.—Mj. Winter, ASSOCIATE PROFESSOR LAVES.

3A and 3B. Descriptive Astronomy (longer course).—Mj. Winter and Spring, ASSISTANT PROFESSOR MACMILLAN.

4. Introduction to Surveying (Mathematics 1).—Mj. Spring, ASSOCIATE PROFESSOR LAVES.

B. SENIOR COLLEGE COURSES

5. Analytic Mechanics (Statics).—Mj. Autumn, ASSOCIATE PROFESSOR LAVES.

6. Analytic Mechanics (Dynamics).—Mj. Winter, ASSOCIATE PROFESSOR LAVES.

7. Spherical and Practical Astronomy.—Mj. Spring, ASSOCIATE PROFESSOR LAVES; Summer, ASSISTANT PROFESSOR MACMILLAN.

8. Practical Astronomy I.—Mj. Autumn, ASSOCIATE PROFESSOR LAVES. [Not given in 1917–18.]

9. Practical Astronomy II.—Mj. Autumn, ASSOCIATE PROFESSOR LAVES.

10. Spectroscopy and Astrophysics (Physics 24).—Mj. Spring, PROFESSOR GALE.

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C. GRADUATE COURSES

22. Introduction to Celestial Mechanics I.—Mj. Summer and Winter, ASSISTANT PROFESSOR MACMILLAN.

23. Introduction to Celestial Mechanics II.—Mj. Spring, ASSISTANT PROFESSOR MACMILLAN.

25. The Dynamics of Stellar Systems.—Mj. Summer, PROFESSOR MOULTON.

31–36. Research Courses at the Yerkes Observatory.—DMj. or 3Mjs. each Quarter, PROFESSORS AND INSTRUCTORS resident at Yerkes Observatory.

41. Theory of Planetary Motion.—Mj. Autumn, PROFESSOR MOULTON. [Not given in 1917.]

42. The Lunar Theory.—Mj. Winter, PROFESSOR MOULTON.

43. Application of the Methods of Periodic Orbits to the Lunar Theory.—Mj. Spring, PROFESSOR MOULTON.

51, 52. Modern Theories of Analytic Differential Equations with Applications to Celestial Mechanics and Periodic Orbits I, II.—Mj. Autumn and Winter, PROFESSOR MOULTON.

60. Periodic Solutions of the Problem of Three Bodies.—Mj. PROFESSOR MOULTON. [Not given in 1917.]

70. Theory of Figures of Equilibrium of Rotating Fluid Bodies.—Mj. PROFESSOR MOULTON. [Not given in 1917.]

80. The Problem of Three Bodies.—Mj. PROFESSOR MOULTON. [Not given in 1917–18.]

THE DEPARTMENT OF PHYSICS

OFFICERS OF INSTRUCTION

ALBERT ABRAHAM MICHELSON, PH.D., SC.D., LL.D., F.R.S., Professor and Head of the Department of Physics.
ROBERT ANDREWS MILLIKAN, PH.D., SC.D., Professor of Physics.
HENRY GORDON GALE, PH.D., Professor of Physics.
CARL KINSLEY, A.M., M.E., Associate Professor of Physics.
HARVEY BRACE LEMON, PH.D., Instructor in Physics.
WILMER HENRY SOUDER, PH.D., Instructor in Physics.
ARTHUR JEFFERY DEMPSTER, PH.D., Instructor in Physics.
YOSHIO ISHIDA, PH.D., Assistant in Physics.
EARNEST CHARLES WATSON, PH.B., Assistant in Physics.

FELLOWS, 1917–18

EDWARD STOWE AKELEY, A.B.
ALISON HUGH HICKMAN, A.B.
RALPH ALANSON SAWYER, A.B.
LELAND JOHNSON STACEY, A.B.

INSTRUCTIONAL WORK

The instructional work in Physics is directed toward the following ends: (1) The training of original investigators in physics; (2) the training of men competent to fill college and university positions as teachers of physics; (3) the training of teachers of physics for secondary schools; (4) the training of pre-engineering and pre-medical students for later professional work; (5) the training of the general student in scientific methods of work and in the understanding

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of the place of physical science in the modern world. From the most elementary to the most advanced courses, the laboratory and the problem method of instruction are emphasized.

FACILITIES

The Ryerson Physical Laboratory has been enlarged and remodeled with especial reference to offering the best facilities for research work. The entire lower floor and basement are given up to private research rooms. A well-equipped shop, with skilled instrument-makers, furnishes opportunity for the construction of special pieces of research apparatus. The equipment has been selected with reference to the needs of research, and includes spectroscopic instruments of highest power, electrical apparatus for work in alternating and direct currents through all ranges of potential, and appliance for high and for low temperature work, including a liquid-air plant. The library of the Department is well equipped for research purposes. A Physics Club is conducted by the members of the Department, and meets regularly for the discussion of the results of research work done in the Ryerson Laboratory and elsewhere.

SEQUENCES

3, Mechanics, Molecular Physics, and Heat; 4, Electricity, Sound, and Light; 5, Lecture Demonstration Course; 6, General Survey of Physical Science; 10, Elementary Mathematical Physics; 11, Heat and Molecular Physics; 12, Light; 13, Electricity and Magnetism; 14, Pedagogy of Physics; 15, Mechanics and Wave Motion; 16, 17, 18, 19, Experimental Physics; 20, Physical Manipulation; 21, Analytic Mechanics; (Astronomy 5, 6), 25, History of Physical Science; 26, Teaching Physical Science; Education 62, Educational Psychology; 1, Principles of Education; Astronomy 3, Descriptive Astronomy (two majors); Mathematics 18, 19, Calculus.

Graduate courses in the Department may be substituted for courses 10 to 19 by students who have the prerequisites.

PRINCIPAL SEQUENCES

a) Courses 3, 4, 5, and any six majors chosen from courses 10 to 13; 15 to 19.

Physics and Mathematics

b) Courses 3, 4, 5, and any six majors from the following: Mathematics 18, 19; Astronomy 5, 6, and Physics 10 to 13; 15 to 19.

Teachers' Sequences

c) Courses 3, 4, 5, 14, 20, 25, 26, and Education 62 and Philosophy 7.

Physics and Astronomy

d) Courses Physics 3, 4, 5; Astronomy 3 (two majors), with four majors selected from Physics 10–19, and Mathematics 18, 19.

Physics and Chemistry

e) Courses Physics 3, 4, 5; Chemistry 2S, 3S, and four majors selected from Physics 10–19, and Mathematics 18, 19.

In any of the foregoing sequences graduate courses numbered 31 to 61 may be substituted for courses 10 to 19 by students who have the required prerequisites.

SECONDARY SEQUENCES

a) Courses 3, 4, 5, and three advanced majors in Physics.

b) Courses 3, 4, 5, and three majors from the following: 10 to 61, Astronomy 3 (two majors), Chemistry 2S, 3S; Mathematics 18, 19.

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DEGREES

All candidates for the S.B. degree who elect their major work in Physics are required to take a principal sequence outlined above.

The Master's degree.—Candidates for the Master's degree in Physics are required to take eight majors in Physics and related subjects, and to present in addition a thesis embodying the results of a laboratory problem. All courses in the Department numbered 10 or above, except course 20, will be counted in satisfaction of this requirement, but at least three majors selected from courses 10, 11, 12, 13, and 15 must be included.

The degree of Doctor of Philosophy.—Candidates for the Doctor's degree with Physics as a minor subject must take six of the following courses: 10, 11, 12, 13, 15, 16, 17, 18, 19, 24, 25, and three additional majors of graduate work. When Physics is one of two minor subjects, the courses must be arranged by consultation with the Department.

All candidates for the Doctor's degree with Physics as the major subject must take the following courses: 10, 11, 12, 13, 15, and 25, or their equivalent; three majors selected from courses 16, 17, 18, 37, 38, and 39; courses 31–36, and three additional graduate courses selected by the student. Each candidate must also present a thesis embodying the results of original research in some subject approved by the Department. The time required for the thesis work generally varies from three to six quarters.

PREPARATION FOR TEACHING

Students preparing to teach Physics in secondary schools are expected to have completed courses 3, 4, 5 or 6, 14 or 26, and not less than four of courses 10, 11, 12, 13, 15, 16, 17, 18, 19, 24, and 25. See also courses in Physics in the School of Education.

LABORATORY FEE

There is a laboratory fee of $5.00 for all major courses involving laboratory work in the Department of Physics.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

1. Elementary Physics.—DM. Summer, First Term, MR. KOPPIUS; Mj. Autumn, ———.

2. Elementary Physics.—DM. Summer, Second Term, MR. KOPPIUS; Mj. Winter, ———.

3. Mechanics.—Mj. Autumn, 5 sections, DR. LEMON, DR. SOUDER, AND DR. DEMPSTER.

4. Heat, Electricity I.—Mj. Winter, 4 sections, DR. LEMON, DR. SOUDER, AND DR. DEMPSTER.

5. Electricity II, Sound and Light.—Mj. Spring, 4 sections, DR. LEMON, DR. SOUDER, AND DR. DEMPSTER.

6. General Survey of Physical Science.—Mj. Spring, ———.

3S. Mechanics, Molecular Physics, and Heat.—Mj. Summer, 2 sections; Winter, 2 sections, PROFESSOR SMITH, DR. SOUDER, DR. DEMPSTER, AND MR. WATSON.

4S. Electricity, Sound, and Light.—Mj. Summer, 2 sections; Spring, 2 sections, DR. SOUDER, MR. WATSON, AND MR. BLACKWOOD.

7. Lecture Demonstration Course.—Mj. Summer, PROFESSOR SMITH.

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II. SENIOR COLLEGE COURSES

10. Elementary Mathematical Physics.—Mj. Autumn, PROFESSOR GALE.

11. Heat and Molecular Physics.—Mj. Autumn, PROFESSOR MILLIKAN.

12. Light.—Mj. Summer and Winter, PROFESSOR GALE.

13. Electricity and Magnetism.—Mj. Winter, ASSOCIATE PROFESSOR KINSLEY.

14. The Pedagogy of High-School Physics.—DMj. Summer, MR. WILKINS.

15. Mechanics and Wave-Motion.—Mj. Spring, PROFESSOR GALE.

16. Experimental Physics (Advanced): Molecular Physics and Heat.—Mj. Spring, PROFESSOR MILLIKAN AND DR. SOUDER; Summer, DR. SOUDER.

17. Experimental Physics (Advanced): Light.—Mj. Summer and Autumn, PROFESSOR GALE AND MR. KELLY.

18. Experimental Physics (Advanced): Electricity and Magnetism, I.—Mj. Summer and Winter, ASSOCIATE PROFESSOR KINSLEY.

19. Experimental Physics (Advanced): Electricity and Magnetism, II.—Mj. Spring, ASSOCIATE PROFESSOR KINSLEY.

20. Physical Manipulation.
Group A. *Shop Work.*
Group B. *Glass Work.*
Group C. *Glass Blowing.*
Group D. *Chemical Processes and Physical Preparations.*
Group C only M. First Term. Repeated Second term, Summer, MR. BOEHM.

22. Methods of Teaching High-School Physics.—Mj. Summer, MR. WILKINS.

24. Spectroscopy and Astrophysics.—Mj. Spring, PROFESSOR GALE.

28. Photographic Processes.—Mj. DR. LEMON. [Not given in 1917–18.]

III. GRADUATE COURSES

31, 32, 33. Theoretical Physics.—Mj. Autumn, Winter, and Spring, PROFESSOR MICHELSON.

34, 35, 36. Theoretical Physics.—3Mjs. Autumn, Winter, and Spring, PROFESSOR MICHELSON.

37, 38, 39. Experimental Physics.—3Mjs. Autumn, Winter, and Spring, PROFESSORS MICHELSON AND MILLIKAN.

40, 41, 42, 43. Research Course.—DMj. Autumn, Winter, and Spring, PROFESSORS MICHELSON AND MILLIKAN.

48. Spectrometry I.—Mj. Winter, PROFESSOR GALE.

49. Spectrometry II (continuation of course 48).—Mj. or DMj. Spring, PROFESSOR GALE.

51. Thermodynamics.—Mj. Winter, PROFESSOR MILLIKAN.

52. Electron Theory I.—Mj. Spring, PROFESSOR MILLIKAN.

53. Electron Theory II.—Mj. PROFESSOR MILLIKAN. [Not given in 1917–18.]

55. Atomic Theories of Radiation and Their Experimental Basis.—Mj. Spring, PROFESSOR MILLIKAN.

56. X-Rays and Theories of Atomic Structure.—Mj. 8:00, PROFESSOR MILLIKAN. [Not given in 1917–18.]

57. The Theory of Alternating Currents.—Mj. ASSOCIATE PROFESSOR KINSLEY.

58. Transient Electrical Phenomena.—Mj. Spring and Summer, ASSOCIATE PROFESSOR KINSLEY.

59. Modern Spectroscopy.—Mj. PROFESSOR GALE. [Not given in 1917–18.]

60. Light Waves and Their Uses.—Mj. PROFESSOR MICHELSON. [Not given in 1917–18.]

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61. Physical Optics.—Mj. Summer, PROFESSOR GALE. [Not given in 1917–18.]

62. The Theory of Relativity.—Mj. Summer, ASSISTANT PROFESSOR LUNN.

63. Geometrical Optics.—Mj. ASSISTANT PROFESSOR LUNN. [Not given in 1917–18.]

65. Theory of Wireless Telegraphy.—½Mj. Summer, ASSOCIATE PROFESSOR KINSLEY.

66. Electrical Measurements in Wireless Telegraphy.—½Mj. Summer, ASSOCIATE PROFESSOR KINSLEY.

67. Quantum Theory.—Mj. (or M. either Term) Summer, DR. DARROW.

68. Theory of Sound.—M. First Term, 9:15, PROFESSOR WEBSTER.

69. Physical Optics.—M. First Term, Summer, PROFESSOR MICHELSON.

70. Physics Club.

THE DEPARTMENT OF CHEMISTRY

OFFICERS OF INSTRUCTION

JULIUS STIEGLITZ, PH.D., SC.D., CHEM.D., Professor and Chairman of the Department of Chemistry.

WILLIAM DRAPER HARKINS, PH.D., Professor of Chemistry.

HERMANN IRVING SCHLESINGER, PH.D., Assistant Professor of Inorganic Chemistry.

JEAN FELIX PICCARD, SC.NAT.D., Assistant Professor of Organic Chemistry.

ETHEL MARY TERRY, PH.D., Instructor in Qualitative Analysis.

JOHN WILLIAM EDWARD GLATTFELD, PH.D., Instructor in Organic Chemistry.

GERALD L. WENDT, PH.D., Instructor in Quantitative Analysis and Radioactivity.

T. DALE STEWART, PH.D., Instructor in Chemistry.

LEO FINKELSTEIN, B.S., Instructor in General Chemistry.

WILLIS EUGENE GOUWENS, Curator.

RAYMOND DAVID MULLINIX, S.B., Associate in Chemistry.

——— ———, Associate in General Chemistry.

——— ———, Associate in Chemistry.

FREDERICK F. BLICKE, M.S., Research Associate.

EDWARD N. ROBERTS, B.S., Assistant in Chemistry.

HOMER HENRY HELMICK, B.S., Assistant in Physical Chemistry.

LOUIS M. LARSEN, S.B., S.M., Assistant in Organic Chemistry.

GEORGE L. CLARK, S.B., S.M., Assistant in Chemistry.

ANDREW T. MCPHERSON, S.B., Assistant in General Chemistry.

ELMER N. BUNTING, S.B., Assistant in Quantitative Analysis.

LATHROP EMERSON ROBERTS, S.B., Assistant in Chemistry.

JOHN EDWARD SCHOTT, S.B., Assistant in Chemistry.

SIDNEY WEISMAN, S.B., Assistant in Chemistry.

MARY WETTON, S.B., Assistant in Chemistry.

MORRIS KHARASCH, S.B., Lecture Assistant.

MARTIN A. ROSANOFF, SC.D., Professor of Theoretical Chemistry, The University of Pittsburgh, Professorial Lecturer (First Term, Spring Quarter, 1917).

MOSES GOMBERG, PH.D., Professor of Organic Chemistry, University of Michigan (First Term, Summer Quarter, 1917).

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FELLOWS, 1917–18

Ray Quincy Brewster, S.B.
Herbert Hiram King, A.B., A.M., S.M., Loewenthal Fellow.
David McLaren, A.B., A.M.
Henry Max McLaughlin, S.B., A.M.
Mary Meda Rising, A.B., Edith Barnard Fellow.
Herman Vance Tartar, S.B., Swift Fellow.

INSTRUCTIONAL WORK

The Department aims to prepare students (1) to teach in colleges or universities; (2) to teach in secondary schools; (3) to fill positions as technical experts or assistants in chemical industries; (4) to become analysts in commercial and sanitary laboratories. The elementary courses may be taken with advantage by students having none of these ends in view.

Special stress will be placed on thoroughness of preparation and the symmetrical development of the student's knowledge. The object of the courses will be not so much to train specialists as to prepare the student to undertake intelligently all kinds of work of a chemical nature. Those intending to become practical chemists will find a thorough course of purely scientific chemistry the best basis for future specialization in any branch of the subject. Those who incline toward inorganic chemistry will be required to do much physical and a considerable amount of organic work; those proposing to become organic chemists will be required to do work in inorganic chemistry of a more advanced nature than that given in the elementary and analytical courses, and some physical chemistry, etc.

RESEARCH

Students are encouraged to begin research work as soon as their preparation justifies it. Facilities for research in all lines, whether of inorganic, organic, or physical chemistry, are provided. Special opportunities to pursue entirely independent research work, as guests of the University (see page 86), will be given to maturer students who have already obtained the Doctor's degree. Besides a number of general University Fellowships which are usually allowed to the department for candidates for the Ph.D. degree, there are three specially endowed Fellowships in Chemistry: The Loewenthal Fellowship, a memorial to Joseph B. Loewenthal, the Swift Fellowship, endowed by Mrs. Gustavus F. Swift, and the Edith Barnard Fellowship, a memorial to Edith Ethel Barnard.

ARRANGEMENT OF COURSES

2, 3, 2S, 3S, General Chemistry, Inorganic; 4, Elementary Organic; 6, 7, 10, Qualitative Analysis; 8, 9, Quantitative Analysis; 12, Spectrum Analysis; 13–19, Special Methods in Quantitative Analysis; 20, Assaying; 25, Toxicology; 26, Detection of Poisons; 30–49, Organic Chemistry; 50–56, Advanced Inorganic Chemistry; 60–71, Physical Chemistry; 80, Teaching of Chemistry; 90–100, Research.

REQUIREMENTS FOR DEGREES

THE DEGREE OF DOCTOR OF PHILOSOPHY

I. *Chemistry the primary subject.*—When the degree of Doctor of Philosophy in Chemistry is desired, the branch of chemistry touched by the thesis is offered

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as a *major subject* and some other branch of chemistry as the *first minor* subject. Besides this, a sufficient knowledge of other fundamental phases of the science is required as well as sufficient work in a *second minor* subject in some other department. These conditions are complied with when the following specific requirements are fulfilled:

1. The presentation of a thesis embodying the result of original research in General, Inorganic, Organic, Physico-organic, or Physical Chemistry, or Radioactivity. This must constitute a real contribution to knowledge, and the work is usually done under the direction of an officer of the Department.

2. The general requirements for all candidates, in advance of General Chemistry: courses 4,[1] 6–9, 60 or 61 or 62, and two majors selected from courses 10, 11, 13–19, 30–32.

3. In addition to the above, one of the following specific sets of requirements, arranged according to the thesis subject:

General Chemistry and Inorganic Chemistry: courses 35 (or 30 and 31), 50–52, and 63, and one major taken from courses 13–19, 30–37, 64; *Organic Chemistry:* courses 30–32, 35[2]–37, 50, and one major from 10, 13–19, 51, 52, 63, 64; *Physico-organic Chemistry:* courses 30, 31, 35, 36, 50, and 63, and one major taken from courses 10, 13–19, 51, 52, 63, and 64. *Physical Chemistry:* courses 35 (or 30 and 31), 50, 51, 63, 64, and one major taken from courses 10, 13–19, 30–32, 35–37, 52. *Radioactivity:* courses 50, 51, 63, 68, 69, and Physics 52 (Electron Theory), and one major taken from courses 10, 13–19, 30–32, 35–37, 52, and 64. In addition to one set of these specific requirements at least six half-majors will be chosen from the special lecture course 40–45, 54–58, 65–76, 83. The research work will require from four to six quarters.

4. Sufficient work of an advanced character in another department to make a *second minor* of *three majors*. In addition to the regular minor subject, candidates are advised to take Mineralogy and Crystallography. The following are the requirements for such a minor in various departments: *a*) In *Physics:* three of the courses 11, 12, 13, 16, 17, 18, 19, 48, 49, 51, 52, 53, 55 or 56; courses 3, 4, 5 are prerequisite to these. *b*) In *Physiological Chemistry:* three majors selected from 24, 25, 26, 37, 38, 39, or 42. *c*) In *Geology:* courses 15, 16, and 52 or their equivalent. Course 7 or 8, and courses 11, 12, 14 would be prerequisite to these courses. *d*) In *Geography:* Courses 17, 18, 21, and their prerequisite courses. *e*) In *Hygiene and Bacteriology:* Course 12 and 2½ majors in course 15; courses 2 and 3 are prerequisite to these. With permission, course 10 or 11 may be substituted for course 12.

II. *Chemistry the secondary subject.*—When Chemistry is a secondary subject, the requirement is determined after conference with the Head of the Department in which the major work is done. Courses 6, 7, and 8, and six other majors in advance of 8, will be required when Chemistry is the only secondary subject; courses 6, 7, and 8, and three other majors, when Chemistry is one of two secondary subjects. Elementary Physical Chemistry or Organic Chemistry, according as the major subject belongs to the Physical or the Biological Group, is recommended.

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[1] Course 4 may be omitted when advanced work in Organic Chemistry is taken.

[2] Course 35 will be omitted when courses 30–31 have included laboratory work.

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THE MASTER'S DEGREE

For the Master's degree a dissertation and eight majors of graduate work in Chemistry are required if all the work is in Chemistry. These majors must be selected from courses in advance of 9, with the approval of the Chairman of the Department. Courses prerequisite to these must be taken, but cannot be counted in reckoning the eight required majors.

Chemistry courses given in the Departments of Geology and Home Economics may be included in these eight majors.

The eighth major of graduate work will be devoted to specific preparation (in residence) for the dissertation, either in the laboratory (research) or in the library (historical work), under the direction of some instructor chosen by the candidate.

THE DEGREE OF BACHELOR OF SCIENCE

Chemistry may be taken as a major subject to fulfil the requirement for principal sequence or as a minor subject to fulfil the requirement for a secondary sequence.

I. PRINCIPAL SEQUENCES

1) Course 2, 3 (or 2S, 3S), 4, 6, 7, 8, 60 (or 61 or 62), and any other two courses in the Department except 1. If courses 33 and 34 or courses 30 and 31 be taken, course 4 is not required.

2) Combination with other science departments: By dropping the necessary majors from the latter portion of sequence 1) above, nine-major sequences may be offered involving the following courses: (1) three majors in College Physics, i.e., 3, 4, 5, but not 1, 2, preceding or accompanying 6 Chemistry courses enumerated in 1) above; (2) one to three majors in Geology selected from Geology 2, 3, 11, 12, 40–45, 50, 52, 53, when these courses follow Chemistry courses 2, 3 (or 2S, 3S), and 6; (3) two majors of Physiological Chemistry provided they are taken after courses 2, 3, (2S, 3S), 4, and 6 in Chemistry; (4) two majors in Chemistry of Foods and Dietetics, provided these courses follow 2, 3, (2S, 3S), 4, and 6 in Chemistry.

II. SECONDARY SEQUENCES

a) For students specializing in Physics: courses 2, 3, 6, 7, 8, and one major from courses 60, 61, 62.

b) For students specializing in Biological Science: courses 2, 3, 4, 6, 8, and one major from courses 60, 61, 62. If possible course 7 should also be taken.

c) For students specializing in Geology: courses 2, 3, 6, 7, 8, 9; the Department strongly advises courses 10, 14, and one major from courses 60, 61, 62.

SPECIAL STUDENTS

Special or unclassified students, not candidates for a degree, will be received, but in every case they will be required to give evidence, satisfactory to the instructors, that their previous training has been sufficient to enable them to derive full profit from the courses they propose to take.

PREPARATION FOR PROFESSIONAL WORK

I. PREPARATION FOR TEACHING

1. *University and College Positions.*—*a*) For recommendations for major appointments in the larger universities and colleges only students who have taken the degree of Doctor of Philosophy will be considered to have had an adequate preparation. *b*) For recommendations for chairs in Chemistry in

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smaller colleges, at least the preparation demanded for the Master's degree will be required. *c*) For recommendations for minor appointments in universities and colleges the work represented by the principal sequence of 9 majors in Chemistry required for the Bachelor's degree, supplemented by from three to eight majors of advanced work in Chemistry, will be considered an adequate preparation.

2. *Secondary Schools.*—The work represented by the principal sequence of 9 majors in Chemistry, required for the Bachelor's degree, is at present considered preparation for teaching in secondary schools. Some work in the College of Education is recommended. Men will find it advisable to be prepared also to teach Physics, Mathematics, or Geology. Women will find it wiser to combine Chemistry with Chemistry of Foods, Physics, Physiography, Physiology, Botany, or Zoölogy.

II. PREPARATION FOR TECHNICAL WORK

1. Thorough scientific training in all branches of chemistry required for the Doctor's degree forms the best preparation for a career as a chemical expert in any branch of chemical industry. With this preparation the principles and details of technical processes are quickly grasped, advances in industrial processes are intelligently followed, and newly discovered principles are readily applied.

All the more important requests received from technical establishments specify a doctorate of philosophy, with its training to do research work as a fundamental requirement.

2. Students who have taken from ten to fifteen majors of work in the Department are able to fill satisfactorily positions as assistants in technical and analytical laboratories and, after some practical experience, to advance to positions of independent responsibility. Students should take courses 1 to 10, inclusive, two majors in courses 13–19, and course 60 or 61. If the student's work is primarily in Organic Chemistry, he should take, if possible, two or three courses selected from 30–32 and 35–37; if his work is in Inorganic Chemistry primarily, he should take courses 50–52. Students taking the fuller preparation outlined are given the preference in answering requests received by the Department; but students with less complete training are also sought by technical firms for minor positions.

Work in Physics should supplement the work in Chemistry, and a knowledge of Bacteriology is often most helpful.

3. The Department gives, with other departments (notably Physics and Mathematics) of the University, and the Department of Manual Training of the University High School, the equivalent of three years of a four years' course in Chemical Engineering. Students are able to take a large part of this work in the purely scientific fundamental branches while they are candidates for a Bachelor's degree.

III. PREPARATION FOR GOVERNMENT WORK

1. For the more important government positions in Chemistry the doctorate of philosophy is demanded as an essential condition for candidacy.

2. For minor positions (e.g., Junior Chemist in the United States service) the Bachelor's degree is considered sufficient. The principal sequence in Chemistry, required for the degree, should be supplemented by *advanced* work in two or

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three branches of Chemistry (Inorganic, Organic, Physical, Analytical). If possible, the full 15 majors allowed by the University rules should be taken in the Department besides work in Elementary Physics, German, and French; a knowledge of Bacteriology is also helpful.

The Department does not pledge itself to secure positions for those who have carried out any one of the above recommended sets of courses; but, as a matter of fact, competent students find suitable places quickly, and in the past the demand for chemists has far exceeded the supply.

CHEMICAL SOCIETIES

The Kent Chemical Society is a club of students open to all those who have had six majors of Chemistry. The Society meets biweekly to listen to papers by members and others.

The Chicago Section of the American Chemical Society holds monthly meetings (except in summer) which the students of the University are welcome to attend. Membership in the Society is open to advanced students at special rates.

LABORATORY FEE

There is a laboratory fee of $5.00 per major for all courses involving laboratory work in the Department of Chemistry. A deposit of $5.00 for breakage is also required of each student.

COURSES OF INSTRUCTION

NOTE.—After course 9, the courses are arranged in groups according to subjects: courses 10–19 include courses in Analytical Chemistry, 30–49 in Organic Chemistry, 50–59 in Inorganic Chemistry, 60–79 in Physical Chemistry and Radioactivity; 80–89 are general in nature, and 90–100 are research courses. Nos. 10–19, 30–34, 40–43, 60, 61, 62, and 68–71 are open to, and suitable for, Senior College students.

I. PRIMARILY FOR THE JUNIOR COLLEGES

1. Elementary General Chemistry: Inorganic I.—DM. Summer, First Term, DR. STEWART; Mj. Autumn, ASSISTANT PROFESSOR SCHLESINGER AND MR. ———.

2. General Chemistry: Inorganic II (continuation of course 1).—DM. Summer, Second Term, DR. STEWART; Mj. Winter, ASSISTANT PROFESSOR SCHLESINGER AND MR. ———.

3. General Chemistry: Inorganic III (continuation of course 2).—Mj. Spring, MR. FINKELSTEIN.

2S. General Chemistry: Inorganic (first course).—DM. Summer, First Term, ASSISTANT PROFESSOR SCHLESINGER; Mj. Autumn, PROFESSOR HARKINS AND MR. ———.

3S. General Chemistry: Inorganic (continuation of course 2S).—DM. Summer, Second Term, ASSISTANT PROFESSOR SCHLESINGER; Mj. Winter, MR. FINKELSTEIN AND MR. ———.

4. Elementary Organic Chemistry.—Mj. Autumn, DR. GLATTFELD; Spring, ———.

II. PRIMARILY FOR THE SENIOR COLLEGES

6. Qualitative Analysis (introductory course).—Mj. Summer and Winter, DR. TERRY; Autumn, MR. FINKELSTEIN; Spring, ASSISTANT PROFESSOR SCHLESINGER.

7. Qualitative Analysis (continuation of course 6).—Mj. or DM. Summer and Winter, DR. TERRY; Autumn, MR. MULLINIX; Spring, ASSISTANT PROFESSOR SCHLESINGER.

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8. Quantitative Analysis (introductory course).—Mj. or DM. Summer, DR. WENDT AND MR. TURNER; Autumn and Winter, DR. WENDT AND MR. BUNTING; Spring, DR. GLATTFELD AND MR. BUNTING.

8M. Quantitative Analysis.—Summer, either Term, DR. WENDT; Autumn and Winter, ½Mj. DR. WENDT; Spring, ½Mj. DR. GLATTFELD.

9. Quantitative Analysis (continuation of course 8).—Mj. or DM. Mj. Summer, Autumn, and Winter, DR. WENDT AND MR. BUNTING; Spring, DR. GLATTFELD.

III. PRIMARILY FOR THE GRADUATE SCHOOL

10. Advanced Qualitative Analysis (continuation of courses 6 and 7).—Summer and Winter, DR. TERRY; Autumn, MR. FINKELSTEIN; Spring, ASSISTANT PROFESSOR SCHLESINGER.

11. Theory of Quantitative Analysis.—½Mj. Autumn.

12–19. Special Methods in Quantitative Analysis.

12. Standard Methods of Water Analysis	½Mj.
13. Standard Methods of Food Analysis	½Mj. or Mj.
14. Analysis of Iron, Steels and Ferro-alloys	½Mj. or Mj.
15. Organic Elementary Analysis	½Mj.
16. Preparation and Analysis of Gases.	½Mj.
17. Electrolytic Analysis, Gravimetric	½Mj.
18. Electrometric Titration	½Mj.
19. Advanced Rock and Mineral Analysis	Mj.

Summer, DR. WENDT; Autumn, Winter, DR. WENDT AND MR. BUNTING; Spring, DR. GLATTFELD AND MR. BUNTING.

20. Assaying.—[Not given in 1917–18.]

25. Toxicology.—½Mj. Autumn, PROFESSOR HAINES AND ASSISTANT.

26. Poisons and Their Detection.—M. Spring, Second Term, PROFESSOR HAINES.

30. Organic Chemistry.—Mj. Autumn, PROFESSOR STIEGLITZ.

31. Organic Chemistry (continuation of course 30).—Mj. Winter, PROFESSOR STIEGLITZ.

32. Organic Chemistry (continuation of course 31).—Mj. Spring, PROFESSOR STIEGLITZ.

33. General Organic Chemistry.—Mj. Summer, DR. GLATTFELD.

34. Elementary Organic Preparations.—M. or Mj. Summer, DR. GLATTFELD.

35. Organic Preparations.—DM. Summer, First Term, PROFESSOR GOMBERG, Second Term, DR. GLATTFELD; Mj. Autumn, Winter, Spring, ASSISTANT PROFESSOR PICCARD.

36. Organic Preparations (continuation of course 35).—DM. Summer, First Term, PROFESSOR GOMBERG, Second Term, DR. GLATTFELD; Mj. Autumn, Winter, and Spring, ASSISTANT PROFESSOR PICCARD.

37. Organic Preparations (continuation of course 36).—DM. Summer, First Term, PROFESSOR GOMBERG, Second Term, DR. GLATTFELD; Mj. Autumn, Winter, and Spring, ASSISTANT PROFESSOR PICCARD.

41A. The Aromatic Series.—½Mj. Autumn, ASSISTANT PROFESSOR PICCARD.

41B. The Aromatic Series (continuation of 41A).—½Mj. Winter, ASSISTANT PROFESSOR PICCARD.

42. The Carbohydrates and the Terpenes and Their Derivatives.—½Mj. PROFESSOR STIEGLITZ. [Not given in 1917–18.]

43. Organic Nitrogen Derivatives.—½Mj. PROFESSOR STIEGLITZ. [Not given in 1917–18.]

44. Physical Chemistry Applied to Organic Problems.—½Mj. PROFESSOR STIEGLITZ. [Not given in 1917–18.]

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45A. Selected Topics of Organic Chemistry.—½Mj. PROFESSOR STIEGLITZ. [Not given in 1917–18.]

45B. Selected Topics of Organic Chemistry.—Winter, PROFESSOR PICCARD. [Not given in 1917–18.]

46. Organic Dyes.—½Mj. Winter, 1917, ASSISTANT PROFESSOR PICCARD.

47. Triaryl Methyls and Related Topics.—Mj. First Term, Summer Quarter, PROFESSOR GOMBERG.

50. Inorganic Preparations.—Mj. or DM. Summer and Winter, ASSISTANT PROFESSOR SCHLESINGER; Autumn, PROFESSOR HARKINS.

51. Inorganic Preparations (continuation of course 50).—Mj. or DM.

52. Inorganic Preparations (continuation of course 51).—Mj. or DM.

54A. Selected Topics in Inorganic Chemistry.—½Mj. ASSISTANT PROFESSOR SCHLESINGER. [Not given in 1917–18.]

54B. Selected Topics in Inorganic Chemistry.—½Mj. Summer, ASSISTANT PROFESSOR SCHLESINGER.

55. Advanced General Chemistry.—½Mj. ASSISTANT PROFESSOR SCHLESINGER.

56. Special Topics in Inorganic Chemistry.—½Mj. PROFESSOR HARKINS. [Not given in 1917–18.]

57. The Periodic System and the Interrelations of the Elements.—½Mj. PROFESSOR HARKINS. [Not given in 1917–18.]

58. The Constitution of Liquids and Solids; Surface Tension and Colloids.—½Mj. Summer, PROFESSOR HARKINS.

60. Elementary Physical Chemistry I.—Mj. Winter, PROFESSOR HARKINS.

61. Elementary Physical Chemistry II. Mj. Spring, 1917, First Term, PROFESSOR ROSANOFF, Second Term, PROFESSOR HARKINS; Spring, 1918, PROFESSOR HARKINS.

62. Elementary Physical Chemistry.—Mj. Summer, PROFESSOR HARKINS.

63. Physico-chemical Measurements I.—Mj. or DM. Summer, Winter, and Spring, PROFESSOR HARKINS.

64. Physico-chemical Measurements II.—Mj. or DM. Summer, Winter, and Spring, PROFESSOR HARKINS.

66. Selected Topics in Physical Chemistry.—½Mj. Winter, ASSISTANT PROFESSOR SCHLESINGER.

68. Chemistry of the Radio Elements.—½Mj. Autumn, MR. FINKELSTEIN.

69. Laboratory Course in Radioactivity.—½Mj. or Mj. Summer and Autumn, MR. FINKELSTEIN.

71. The Atomic Theory.—½Mj. [Not given in 1917–18.]

75. Theories of Solutions I.—½Mj. PROFESSOR HARKINS. [Not given in 1917–18.]

76. Theories of Solutions II.—½Mj. PROFESSOR HARKINS. [Not given in 1917–18.]

77. The Free Energy of Chemical Reactions (Chemical Thermodynamics).—½Mj. Autumn, PROFESSOR HARKINS.

78. The Chemistry of Gas Reactions.—½Mj. PROFESSOR HARKINS. [Not given in 1917–18.]

79. Photochemistry.—½Mj. Winter, DR. WENDT.

80. Subatomic Phenomena.—½Mj. Spring, DR. WENDT.

82. Club Meetings.—Summer, Autumn, Winter, and Spring.

83. The Teaching of Chemistry.—½Mj. [Not given in 1917–18.]

85. The Chemistry and Preparation of Medicinal Drugs.—½Mj. Spring, PROFESSOR HAINES.

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90–96. Research Work.

90. Research in Organic and Physico-organic Chemistry.—Mj. or DMj. Autumn, Winter, and Spring, PROFESSOR STIEGLITZ (with DR. TERRY AND MR. BLICKE).

91. Research in General and Physical Chemistry.—Mj. or DMj. Summer, Autumn, Winter, and Spring, PROFESSOR HARKINS.

92. Research in Inorganic and Physical Chemistry.—Mj. or DMj. Summer, Autumn, Winter, and Spring, ASSISTANT PROFESSOR SCHLESINGER.

93. Research in Organic Chemistry.—Mj. or DMj. Autumn, Winter, and Spring, ASSISTANT PROFESSOR PICCARD.

94. Research in Organic Chemistry.—Summer, Autumn, and Spring, DR. GLATTFELD.

95. Research in Radioactivity.—Mj. or DMj. Autumn and Winter, DR. WENDT.

96. Independent Research.—Summer, Autumn, Winter, and Spring. Mj.

97. Masters' Theses in Qualitative Analysis.—Mj. Summer, Winter, and Spring, DR. TERRY.

98. Masters' Theses in Organic Chemistry.—Mj. Summer, Autumn, and Spring, DR. GLATTFELD.

99. Masters' Theses in Quantitative Analysis.—Mj. Summer, Autumn, and Winter, DR. WENDT; Spring, DR. GLATTFELD.

100. Research in Mineralogical and Geological Chemistry.—Mj. Autumn, Winter, and Spring, ASSISTANT PROFESSOR BROKAW (Geology).

101. Research in the Chemistry of Food.—Mj. Summer, Autumn, and Winter, ASSISTANT PROFESSOR BLUNT (College of Education).

CHEMISTRY COURSES IN THE DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY

(See pp. 270–71)

CHEMISTRY COURSES IN THE DEPARTMENT OF GEOLOGY

50. Industrial Geology.—Mj. Autumn, ASSISTANT PROFESSOR BROKAW.

51. Petroleum and Coal.—Mj. Autumn, ASSISTANT PROFESSOR BROKAW. [Not given in 1917–18.]

52. Ore Deposits.—Mj. Winter, ASSISTANT PROFESSOR BROKAW.

53. Chemistry of Ore Deposits.—Mj. Spring, ASSISTANT PROFESSOR BROKAW.

54. Field Work in Mining and Mining Geology.—Summer, ASSISTANT PROFESSOR BROKAW.

CHEMISTRY COURSES IN THE DEPARTMENT OF HOME ECONOMICS

36. Chemistry of Food.—Mj. Summer, Autumn, and Winter, ASSISTANT PROFESSOR BLUNT AND MISS MCKEE.

37. Chemistry of Food (continued).—Mj. Autumn, ASSISTANT PROFESSOR BLUNT AND MISS MCKEE.

38A. Nutrition.—M. Summer, First and Second Terms; Winter, First Term, ASSISTANT PROFESSOR BLUNT AND MISS ELIZABETH W. MILLER.

38B. Nutrition (continued).—M. Summer, Second Term, and Winter, Second Term, ASSISTANT PROFESSOR BLUNT.

39A. Dietaries.—M. Summer and Winter, Second Term, 10:30–12:30, MISS ELIZABETH W. MILLER.

40. Seminar in Nutrition.—M. Summer, Second Term; ½Mj. Winter, ASSISTANT PROFESSOR BLUNT AND MISS ELIZABETH W. MILLER.

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THE DEPARTMENT OF GEOLOGY AND PALEONTOLOGY

OFFICERS OF INSTRUCTION

THOMAS CHROWDER CHAMBERLIN, PH.D., LL.D., Professor and Head of the Department of Geology.

SAMUEL WENDELL WILLISTON, M.D., PH.D., Sc.D., Professor of Vertebrate Paleontology.

ROLLIN D. SALISBURY, A.M., LL.D., Professor of Geographic Geology.

STUART WELLER, PH.D., Professor of Paleontologic Geology.

ALBERT JOHANNSEN, PH.D., Associate Professor of Petrography.

ROLLIN THOMAS CHAMBERLIN, PH.D., Assistant Professor of Geology.

ALBERT DUDLEY BROKAW, PH.D., Assistant Professor of Mineralogy and Economic Geology.

J HARLEN BRETZ, PH.D., Assistant Professor of Geology.

EUGENE AUSTIN STEPHENSON, PH.D., Instructor.

PAUL CHRISTIAN MILLER, Laboratory and Field Assistant in Vertebrate Paleontology.

RAYMOND ELLWOOD LAMBORN, A.B., Laboratory Assistant.

PAUL MACCLINTOCK, S.B., Assistant.

CHARLES ROSS SCHROYER, A.M., Assistant.

SPECIAL INSTRUCTORS

CHARLES KENNETH LEITH, PH.D., Professorial Lecturer on Pre-Cambrian Geology, University of Wisconsin (alternate years, Winter, 1917).

ARTHUR CARLTON TROWBRIDGE, PH.D., Professor of Geology, University of Iowa (Summer, 1917).

RAYMOND CECIL MOORE, PH.D., Associate Professor, University of Kansas (Summer, 1917).

ABRAM OWEN THOMAS, S.M., Assistant Professor, University of Iowa (Summer, 1917).

FELLOWS, 1917–18

HOLLY REED BENNETT, S.B.
HORACE NOBLE CORYELL, A.M.
REGINALD SCOTT DEAN, S.M.
GEORGE EVERETT MARSH, S.B., E.E.
JOHN ROBERT MARSHALL, S.B.
WALTER CARL TOEPELMAN, S.B.
ROY A. WILSON, S.B.

INTRODUCTORY

The aim of the Department is to provide systematic training in Geology, including Physical Geography, Mineralogy, Petrology, and Paleontology. The courses may be grouped with reference to the following ends: (1) general culture, (2) preparation for teaching, (3) preparation for professional work on geological and economic surveys, or (4) other lines of investigation. Students preparing for positions in colleges and universities, or for professional work on surveys or in other fields, may devote the larger part of their time to General Geology, or they may specialize to some extent in Geographic Geology, Petrography, Paleontology, or Economic Geology.

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The brief synopses given under the several courses enumerated below indicate their general scope, but they are subject to modification in the interests of better adaptation to the attainments and abilities of students.

JOURNAL OF GEOLOGY

The *Journal of Geology*, devoted to Geology and allied sciences, is published by the Department. The immediate editorship rests with the members of the Faculty of the Department, but associated with them are the heads of geologic departments in some of the leading American and European universities, together with several official geologists of this and other countries.

REQUIREMENTS FOR DEGREES

THE DEGREE OF DOCTOR OF PHILOSOPHY

A. *Geology the major subject.*—Though the degree of Doctor of Philosophy is not conferred merely on the completion of a group of specified courses, the general scope of the work expected of a candidate is suggested by the courses listed below. Some of these courses must have been taken before the work for the Ph.D. degree is begun, if that degree is taken in the minimum time. Candidates for the Doctor's degree are expected to take most of the required *courses* before the last year of residence, leaving most of the time of that year for seminar and research work.

1. *General Geology the principal subject:* Courses 9 or 10, 11, 12, 14, 15, 16, 17, 18, 20; at least two of the group 26, 27, 28, 29; at least two of the group 40, 41, 42 (and at least five from the two preceding groups); 47, 51, 52, 56, 60, 61, 65, 66, 67, and at least two majors of the following: 21, 22, 24, 68 (or equivalents).

2. *Geographic Geology the principal subject:* The work covered by courses 9, 11, 12, 14, 15, 16, 17, 18, 20, 21, 26, 50, 51, 52, 56, 60, 61, 65, 66, 67, and two majors of the following: 24, 52, 58, 68 (or equivalents), courses 5, 16, and 17 in Geography; and a general knowledge of Geographic Botany and Geographic Zoölogy.

3. *Paleontology the principal subject:* Courses 10, 14, 15, 16, 17, 18, 20, 26, 27, 28, 29, 34, 35; the group 30, 31, and 32, or the group 36, 37, and 38 (each course of the group elected a DMj.), 56, 60, 61, 65, 66, 67, 39, or 68. In addition, a knowledge of Zoölogy and Botany, including Field Zoölogy and Plant Ecology.

4. *Petrography the principal subject:* Courses 9, 11, 12, 14, 15, 16, 17, 18, 20, 26, 40, 41, 42, 43, 44, 45, 47, 48, 52, 56, 60, 61, 65, 66, 67, and at least two years of Chemistry.

5. *Economic Geology the principal subject:* Requirements as for 1, above, except that courses 50, 51, 52, 53, 54, with their prerequisites, are to be substituted for 18, 20, 26, 27, 28, 29. Courses 65, 66, 67, and 68, as well as the special work for the thesis, will be in economic geology.

Chemical Geology: In co-operation with the Department of Chemistry opportunity is offered for special work in the field of Chemical Geology.

A satisfactory thesis based on research work is required of all candidates, and in all cases a thorough knowledge of the principles of Physics and Chemistry is presupposed.

B. *Geology the minor subject.*—In case Geology is the only minor subject, the courses required normally are 9 or 10, 14, 15, 16, and 17, and three other major

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courses selected from those numbered 11 or above; but some substitution may be allowed if the nature of the major subject makes this advisable. If Chemistry, for example, is the major subject, courses 11, 12, 40, and 41 should be taken, and at least two of these courses may be substituted for two courses listed above in this paragraph. If Geology is the first of two minors, the courses required normally are 8 or 9, 14, 15, 16, and 17; but certain substitutions may be permitted on the principle stated above. If Geology is the second of two minors, the courses required take account of the nature of the major subject.

THE MASTER'S DEGREE

The requirements for the Master's degree, if all the work is taken in this Department, are courses 9 or 10, 14, 15, 16, and 17, three other majors selected from courses numbered 11 or above, a dissertation, and a satisfactory examination on the work taken in preparation for the degree. The courses to be taken for this degree should be agreed upon with the Department and with the Dean of the Ogden Graduate School two quarters before the degree is conferred.

It is the rule of the University that no course completed with a grade below C shall be counted in fulfilment of the requirements for the Master's degree, and it is the rule of the Department that the average grade of the work offered for this degree shall be not lower than B−.

THE BACHELOR'S DEGREE

PRINCIPAL SEQUENCES

(NOTE.—Geology 1 or Geography 1 is a prerequisite for all courses in the sequence.)

I. Geology

Geology 2, 3, 5, 8 or 9 or 10, 6 and 7 or 11 and 12, 14, 15, 16. The numerical order is recommended, but 11 and 12 may accompany or follow 15 and 16.

II. Geology and Geography

Geology 2, 5, 8 or 9, 14; 15 and 16, or 3 and 6 or 7, Geography 10, 17, and one of the group 11, 16, 18. The courses in Geography should follow the first two courses in Geology. Courses in Geology should be taken in numerical order.

III. Geology and Chemistry

Geology 2, 3, 5, 8 or 9, 11, 12; Chemistry 3, 6, 7. Chemistry 3 should precede or accompany Geology 11. Courses in each department should follow the numerical order.

IV. Geology and Physics

Same as III, except that Physics 3, 4, 5 are to be substituted for Chemistry 3, 6, 7.

V. For Students Preparing for Work in Economic Geology, Mining, etc.

Geology 2, 3, 8 or 9, 11, 12, 14, 15, 16, 50, 51, 52, 56, and at least two years of Chemistry and one of Physics. Courses in Geology should be taken in numerical order; one year of Chemistry and Physics 3 should precede Geology 11, and all the Chemistry and Physics should precede Geology 50.

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VI. For Students Intending to Teach Physiography in Secondary Schools

Geology 2 or 3, 5, 8 or 9 (or Geography 6), 14, 19; Geography 5, 10, 16, 17. If Geology as well as Physiography is to be taught, Geology 15, 16, 17 (or 6) should be added.

SECONDARY SEQUENCES

I. *General:* Geology 2, 5, 8 or 9, 14, 15, 16.

II. *For students specializing in Chemistry:* 2, 3, 5, 8 or 9, 11, 12.

III. *For students specializing in Zoölogy or Botany:* 5, 6, 7, 8 or 9, 14, 15, 16.

COURSES OF INSTRUCTION

Explanation of abbreviations.—A major course, Mj., is a course in which the class meets four or five hours a week for a quarter. A double major course, DMj., is the equivalent of two majors. A minor course, M., is a half-major, and a double minor course, DM., is a double course for half a quarter.

I. FOR THE JUNIOR COLLEGES

1. Physiography.—Mj. each Quarter, PROFESSOR SALISBURY, ASSISTANT PROFESSORS CHAMBERLIN AND BRETZ, AND DR. STEPHENSON.

2. Mineral Resources of the United States.—Mj. each Quarter, ASSISTANT PROFESSOR BROKAW, DR. STEPHENSON, AND MR. MACCLINTOCK.

3. Introduction to Mineralogy and Petrology.—Mj. Summer, Autumn, and Spring, ASSISTANT PROFESSOR BROKAW, DR. STEPHENSON, AND MR. SCHROYER.

II. FOR THE JUNIOR AND SENIOR COLLEGES

5. General Geology.—Mj. each Quarter, ASSISTANT PROFESSORS CHAMBERLIN AND BRETZ AND DR. STEPHENSON.

6. History of Invertebrate Life.—Mj. Winter, PROFESSOR WELLER.

7. History of Vertebrate Life.—Spring, PROFESSOR WILLISTON.

8. Field and Laboratory Course.—Mj. Spring, ASSISTANT PROFESSOR BRETZ OR DR. STEPHENSON.

9. Field Geology (first course outside of Chicago).—1½Mjs. Summer, First Term, ASSISTANT PROFESSOR BRETZ; Second Term, PROFESSOR TROWBRIDGE; September, ASSISTANT PROFESSOR BRETZ.

10. Field Geology (first or second course).—1½Mjs. Summer, PROFESSOR WELLER.

11. Mineralogical Crystallography.—Mj. Winter, ASSISTANT PROFESSOR BROKAW.

12. Descriptive and Determinative Mineralogy.—Mj. Spring, ASSISTANT PROFESSOR BROKAW.

13. Oil Geology.—Mj. Spring, ASSISTANT PROFESSOR BROKAW. [May not be given in 1918.]

III. FOR SENIOR COLLEGE AND GRADUATE STUDENTS

14. Geographic Geology.—Mj. Summer, First Term, PROFESSOR SALISBURY; Second Term, ASSOCIATE PROFESSOR MOORE; Autumn, PROFESSOR SALISBURY AND ASSISTANTS.

15 and 16. Continental Evolution.—Mj. (or DMj.) courses. Winter and Spring, PROFESSOR SALISBURY AND ASSISTANTS. Course 16, Summer, First Term, PROFESSOR SALISBURY; Second Term, ASSISTANT PROFESSOR THOMAS.

17. Geologic Life Development.—Mj. Spring, PROFESSOR WELLER.

18. The Succession of Vertebrate Faunas.—Mj. Autumn, PROFESSOR WILLISTON.

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19. Teachers' Course.—M. Spring, PROFESSOR SALISBURY. [May not be given in 1917–18.]

20. Field Geology (second course).—1½Mjs. Summer, Second Term, ASSISTANT PROFESSOR BRETZ.

IV. FOR GRADUATE STUDENTS

20. Field Geology (second course).—1½Mjs. Summer, ASSISTANT PROFESSOR BRETZ.

21. Physiography of the United States.—Mj. Autumn, ASSISTANT PROFESSOR BRETZ

24. Topographic Surveying.—[Not given Spring, 1918.]

26. Invertebrate Paleontology.—Mj. Autumn, PROFESSOR WELLER.

27. Invertebrate Paleontology.—Mj. Winter, PROFESSOR WELLER.

28. Invertebrate Paleontology.—Mj. Spring, PROFESSOR WELLER.

29. Stratigraphic Paleontology.—Mj. Autumn, PROFESSOR WELLER.

30, 31, 32. Special Paleontologic Geology.—Mj. or DMj. Autumn, Winter, and Spring, PROFESSOR WELLER.

34. History of Vertebrates.—Mj. Autumn, PROFESSOR WILLISTON.

35. History of Vertebrates (continuation of course 34).—Mj. Winter, PROFESSOR WILLISTON.

36, 37, 38. Research in Vertebrate Paleontology.—Mj. or DMj. Summer, Autumn, and Spring, PROFESSOR WILLISTON.

39. Field Work.—DMj. Summer, PROFESSOR WILLISTON AND DR. MILLER.

40. Petrology: Optical Mineralogy.—Mj. Autumn, ASSOCIATE PROFESSOR JOHANNSEN.

41. Petrology: Descriptive.—Mj. Winter, ASSOCIATE PROFESSOR JOHANNSEN.

42. Petrology: General.—Mj. Spring, ASSOCIATE PROFESSOR JOHANNSEN.

43, 44, 45. Advanced Petrology.—Mj. or DMj. Autumn, Winter, and Spring, ASSOCIATE PROFESSOR JOHANNSEN.

47. Pre-Cambrian Geology.—M. or DM. Winter, First Term, alternate years, PROFESSOR LEITH. [Not given in 1918.]

48. Petrology of Metamorphic Rocks.—M. or DM. Winter, First Term, alternate years, PROFESSOR LEITH.

50. Industrial Geology.—Mj. Autumn, ASSISTANT PROFESSOR BROKAW.

51. Petroleum and Coal.—Mj. Autumn, ASSISTANT PROFESSOR BROKAW. [May not be given in 1917–18.]

52. Ore Deposits.—Mj. Winter, ASSISTANT PROFESSOR BROKAW.

53. Chemistry of Ore Deposits.—Mj. Spring, ASSISTANT PROFESSOR BROKAW.

54. Field Work in Mining and Mining Geology.—Summer, ASSISTANT PROFESSOR BROKAW.

55. Research in Geologic and Mineralogic Chemistry.—ASSISTANT PROFESSOR BROKAW AND DR. STEPHENSON.

56. Structural and Dynamic Geology.—Mj. Winter, ASSISTANT PROFESSOR CHAMBERLIN.

60, 61. Principles and Theories of Geology.—Mjs. Autumn and Spring, PROFESSOR CHAMBERLIN.

65, 66, 67. Seminar.—Mjs. Autumn, Winter, and Spring, PROFESSORS SALISBURY AND WELLER AND ASSISTANT PROFESSORS CHAMBERLIN AND BROKAW.

68. Field Geology (third course).—Summer, PROFESSORS CHAMBERLIN, SALISBURY, AND WELLER, ASSOCIATE PROFESSOR JOHANNSEN, AND ASSISTANT PROFESSORS CHAMBERLIN, BROKAW, AND BRETZ.

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THE DEPARTMENT OF GEOGRAPHY

OFFICERS OF INSTRUCTION

ROLLIN D. SALISBURY, A.M., LL.D., Professor and Head of the Department of Geography.
HARLAN H. BARROWS, S.B., PD.M., Professor of Geography.
JOHN PAUL GOODE, PH.D., Professor of Geography.
WALTER SHELDON TOWER, PH.D., Professor of Geography.
WELLINGTON DOWNING JONES, PH.D., Assistant Professor of Geography.
CHARLES CARLYLE COLBY, S.B., Instructor.
KENNETH CHARLES MCMURRY, A.B., Assistant, 1917–18.
ROBERT SWANTON PLATT, A.B., Assistant, 1917–18.
HAROLD BERNARD WARD, S.B., Assistant, 1917–18.

SPECIAL INSTRUCTORS

MARK JEFFERSON, A.M., Michigan Normal College (Summer, 1917).

FELLOWS, 1917–18

ROBERT GUY BUZZARD, S.B. WILLIAM OSCAR BLANCHARD, PH.M.

INTRODUCTORY

Until recent years Geography was primarily a descriptive subject, taught for the most part only in elementary and normal schools. During the last generation it has become a rational science and an appropriate subject for the college and university curriculum. In accepting the science for such purposes, America has followed some of the nations of Europe, notably Germany, and the subject has come to have an important place in several universities in the United States. An understanding of the earth in its relations to life is a necessary basis for the most successful study of biology, history, and political economy. Geography possesses in itself high cultural and disciplinary value, and contributes to good citizenship by putting students in touch with existing geographic conditions and current geographic problems of national and international import. The work of this Department affords the means for such study, provides training for teachers in schools of secondary and higher grades, and trains students for research work in the science.

The courses in this Department deal with subjects most of which are intermediate between Geology, on the one hand, and History, Sociology, Political Economy, and Biology, on the other. Courses in Physical Geography are given in the Department of Geology; courses in Zoögeography and Geographic Botany are given in the Departments of Zoölogy and Botany; courses dealing with the pedagogical aspects of the subject, especially in connection with instruction in primary and secondary schools, are given in the School of Education.

The United States Weather Bureau has a station at the University, thus affording opportunity for first-hand contact with professional work in connection with Meteorology.

REQUIREMENTS FOR DEGREES

THE DEGREE OF DOCTOR OF PHILOSOPHY

Before this degree is conferred candidates must have done work equivalent to that covered by the courses listed in the next paragraph, but it is distinctly

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to be understood that the degree is not conferred merely on the basis of completed prescribed courses. A thesis embodying the results of research work is required, and this should represent the equivalent of *at least* two quarters' work. Most of the required courses should be taken a year before the degree is conferred, leaving most of the last year for the seminar, research, and thesis.

A. *Geography the principal subject.*—The required courses in the Department of Geography are 6 or 7 (or Geology 9), 11, 14, 15, 16, 17, 18, 21, 31, 39, 40, 50, 51, 52, 53, 54, 55, two of the group 33–38, 39, and two of the group 41–45. Some of the work in connection with courses 50–55 may be in the line of the thesis. *In the Department of Geology*, courses 14, 15, 16. *In the Department of Biology*, at least two of the following: Zoölogy 28, Botany 32 and 34. *In the Department of History*, a general knowledge of Modern History. *In the Department of Political Economy*, courses 1 and 2 or equivalents. Slight departures from the foregoing outline may be permitted.

B. *Geography the minor subject.*—The work required where Geography is the minor subject is covered by courses 14 or 21, 16, 17, 18, course 14 in Geology, and four from the group 11, 15, 33, 34, 35, 36, 37, 38. A limited amount of substitution may be allowed.

THE MASTER'S DEGREE

Prerequisites: The candidate for this degree should have had at least four majors in Geography and three or four in Geology (courses 1, 2, 5, and 8 or 9) before entering upon work for the Master's degree. The geographic phases of Botany and Zoölogy and the elements of Political Economy are *desirable antecedents* to the work for the Master's degree.

Requirements: The classroom work required for the Master's degree is covered by the following courses and their prerequisites: 6 or 7 (or geology 8 or 9), 10, 11, 14, 15, 16, 17, 18, 21; two of the group 30, 33–37, and course 14 in Geology. Slight departures from this program will be permitted in individual cases, with the consent of the Department. Part of this work (e.g., courses 6, 10, 11, 14, 15, and their antecedents) must precede the work for the Master's degree if the degree is to be secured in one year. A thesis also is required, for which 2 majors' credit may be allowed.

No course completed with a grade below C will be counted in fulfilment of the requirements for this degree, and the average grade of the work accepted must be as high as B−.

THE BACHELOR'S DEGREE

PRINCIPAL SEQUENCES

(Prerequisite for all the sequences: Geography 1 or Geology 1.)

I. Geography

Geography 3, 5, 14 or 21, 16, 17, 18, two from the group 6 or 7 (or Geology 8 or 9), 10, 11, 15, 30, and Geology 14. Prerequisites virtually determine the order of courses. Courses numbered 16 and above must be taken in the Senior Colleges.

II. Geography and Geology

Geography 5, 14 or 21, 17; Geology 2, 5; three from the group Geography 6 or 7 (or Geology 8 or 9), 10, 11, 15, 16, 18; Geology 14. The numerical order should be followed, at least approximately, in each department. Geology 2 and 5 should precede the last three courses in Geography.

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III. Geography and Biology

Geography 5, 10, 11, 14 or 21, 16 or 17, 18, Botany 3, and two from the group Geology 7 or 8, Geography 6 or 7, Zoölogy 29, Botany 32, 34. In Geography the numerical order should be followed, at least approximately. Botany 3 may come early in the sequence.

IV. Geography and Economics

Geography 5, 15 or 16, 17, 18, two of the group 14, 19, 21, and Political Economy 1, 2, and 7. In Geography the numerical order should be followed as nearly as possible. Political Economy 1 and 2 should come early in the sequence.

V. Geography and History

Geography 5, 14 or 21, 15, 16, two of the group 17, 18, 30, and History E4, E5, E6. The numerical order in each department is recommended, and the courses in History may well follow Geography 16.

VI. For Students Preparing to Teach Geography in Secondary Schools

Geography 5, 10, 14 or 21, 16, 17, one from the group 11, 15, 18, three from the group Geography 6 or 7 (or Geology 8 or 9), Geology 2, 5, 14. In each department the numerical order should be followed, at least approximately, and Geology 2 and 5 should precede the later courses in Geography.

SECONDARY SEQUENCES

The numerical order is advised in all cases.

I. *For students specializing in Geology:* Geography 10, 11, 17, and three other courses.

II. *For students specializing in History:* Geography 15, 16, 17, and three of the group 5, 14, 18, 21, 30.

III. *For students specializing in Economics:* Geography 5, 14 or 21, 16 or 17, 18, 19.

IV. *For students specializing in Botany or Zoölogy:* Geography 5, 10, 11, 17, and two other courses.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

1. The Elements of Geography.—Mj. each Quarter, ASSISTANT PROFESSOR JONES AND MR. COLBY.

2. Elementary Regional Geography.—Mj. Spring, MR. COLBY.

3. Economic and Commercial Geography.—Mj. each Quarter, PROFESSOR GOODE, ASSISTANT PROFESSOR JONES, MR. COLBY AND ASSISTANTS.

4. Military Geography of the United States.—Mj. Autumn and Winte MR. PLATT.

5. Geography of North America.—Mj. each Quarter, PROFESSOR TOWER AND MR. COLBY.

II. PRIMARILY FOR SENIOR COLLEGE STUDENTS

6. Field Course: The Geography of Chicago and Its Environs.—Mj. Spring, ASSISTANT PROFESSOR JONES.

7. Field Geography (first course outside of Chicago).—1½Mjs. First Term, Summer, MR. COLBY.

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10. Meteorology.—Mj. Summer, and Autumn or Winter, ———.

11. Climatology.—Mj. Spring, PROFESSOR TOWER.

11A. Distribution and Causes of Rainfall.—M. Second Term, PROFESSOR JEFFERSON.

14. Economic Geography of Europe.—Mj. Winter, PROFESSOR GOODE.

14A. Northern Europe.—DM. Second Term, PROFESSOR JEFFERSON.

15. Political Geography.—Mj. Spring, PROFESSOR TOWER.

16. Influence of Geography on American History.—Mj. Summer and Winter, PROFESSOR BARROWS.

17. Conservation of Natural Resources.—Mj. Winter and Spring, PROFESSOR BARROWS.

18. Economic Geography of the United States.—Mj. Autumn, PROFESSOR GOODE.

21. Geography of South America.—Mj. Summer and Autumn, PROFESSOR TOWER.

23. Geography of Mexico, Central America, and the Caribbean Region.—M. PROFESSOR TOWER. [Not given in 1917–18.]

24. Geography of Asia.—Mj. Summer, ASSISTANT PROFESSOR JONES.

28. Field Geography.—1½Mjs. Summer, MR. COLBY.

III. GRADUATE COURSES

30. Principles of Anthropogeography.—Mj. Probably Autumn, MISS SEMPLE.

31. Cartography.—[Probably not given in 1917–18.]

33. Geographic Influences in the History of the New England and Middle Atlantic States.—Mj. once in three years, PROFESSOR BARROWS. [Not given in 1917–18.]

34. Geographic Influences in the History of the Interior.—Mj. or DMj. Summer and Spring, PROFESSOR BARROWS.

36. Geographic Influences in the History of the Western States.—Mj. Once in three years, PROFESSOR BARROWS. [Not given in 1917–18.]

37. Geographic Influences in the History of the Lower South.—Mj. Once in three years, PROFESSOR BARROWS. [Not given in 1917–18.]

38. Geography of Illinois.—Mj. Once in two or three years, PROFESSOR BARROWS. [Given Winter, 1917.]

Geography 39. Field Geography (advanced course).—1½Mjs. Summer, PROFESSOR TOWER.

40. History of Geography.—Mj. Winter, PROFESSOR GOODE.

43. Problems in the Geography of Europe.—Mj. or DMj. Once in two or three years, PROFESSOR GOODE. [Not given in 1917–18.]

44. Problems in the Geography of Latin America.—Mj. or DMj. Autumn, PROFESSOR TOWER.

45. Field Geography (individual work).

50, 51, 52. Seminar in Geography.—Autumn, Winter, and Spring, PROFESSORS SALISBURY, BARROWS, GOODE, AND TOWER.

53, 54, 55. Research Courses.—Mj. or DMj. Autumn, Winter, and Spring, PROFESSORS SALISBURY, BARROWS, GOODE, AND TOWER.

For courses in Physical Geography, see Department of Geology.

For courses in Zoögeography, see Department of Zoölogy.

For courses in Geographic Botany, see Department of Botany.

For pedagogical courses in Geography, see College of Education.

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THE DEPARTMENT OF ZOÖLOGY

OFFICERS OF INSTRUCTION

FRANK RATTRAY LILLIE, PH.D., Professor of Embryology and Chairman of the Department of Zoölogy.
CHARLES MANNING CHILD, PH.D., Professor of Zoölogy.
HORATIO HACKETT NEWMAN, PH.D., Professor of Zoölogy.
MORRIS MILLER WELLS, PH.D., Instructor in Zoölogy.
JOHN GEORGE SINCLAIR, S.B., Associate in Zoölogy.
CARL RICHARD MOORE, PH.D., Associate in Zoölogy.
———, Associate in Zoölogy.
LIBBIE HENRIETTA HYMAN, PH.D., Research Assistant in Zoölogy.
ELLINOR H. BEHRE, A.B., Assistant in Zoölogy.
A. W. BELLOMY, S.B., Assistant in Zoölogy.
J. WILLIAM BUCHANAN, S.B., Assistant in Zoölogy.

FELLOWS, 1917–18

HOWARD BENJAMIN CROSS, A.B. BENJAMIN HARRISON WILLIER, S.B.

INTRODUCTORY

The courses in Zoölogy aim to meet the needs of those students who desire to obtain some knowledge of Zoölogy as part of their general education, those who need work in Zoölogy to satisfy the requirements of other departments, and those who propose to specialize in Zoölogy. The leading purpose of the courses is to present the subject-matter of the science, its guiding ideas, its principal subdivisions, its scope, methods, and history, and its relations to other sciences.

Undergraduate work in Zoölogy.—It is advisable that students who propose to *specialize* in Zoölogy should obtain a broad scientific foundation, including work in the cognate sciences, and a reading knowledge of German and French. More specifically, students specializing in Zoölogy should take 4 or 5 majors in Chemistry, 2 or 3 in Physics, and 1 or 2 in Geology; they should also obtain knowledge of the general principles of microscopical Anatomy, Paleontology, Botany, and Physiology. These courses may be taken concurrently with the work in Zoölogy. Consultation with reference to the sequence of courses taken in the Department is required. (See the *Undergraduate Course Book.*)

SEQUENCES

For students who have had less than a unit of Zoölogy in high school, course 1 is prerequisite for all courses except 3, 5, and 7. Students presenting credits for one unit of Zoölogy in high school may begin with course 4 or 15, but will be required to supplement their sequence by taking course 5. Courses 15, 16, and 17 may be taken in any order.

SECONDARY SEQUENCES

a) 5, 15, 16, 17, 18, 19.
b) 5, 4 or 7, 16, 17, 18, 19.

PRINCIPAL SEQUENCES

a) General: Same as six-major group *a* or *b*, with the addition of course 40 and two majors selected from 26–35. This sequence is intended primarily for teachers in the secondary schools.

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b) Genetics and Experimental Evolution: Same as six-major group *a* or *b*, with courses 30 and 31 (3 Mjs.) added.

c) Ecology and Behavior: Same as six-major group *b*, with the addition of courses 26, 28, and 29.

d) Experimental Zoölogy: Same as six-major group *a* or *b*, with the addition of courses 33, 34, and 35.

COMBINATION NINE-MAJOR SEQUENCES

a) Zoölogy—Botany: Zoölogy 5, 7, 16, 17, 20 and Botany 2 or 3, 7, 8, and 9.

b) Comparative Anatomy: Zoölogy 15, 16, 17, 18, 19; Anatomy 10, 1, 2, 3.

Graduate work in Zoölogy.—Students proposing to undertake graduate work in Zoölogy should have credit for an undergraduate principal sequence in Zoölogy or its equivalent. They should also be grounded in other sciences as noted above; and a reading knowledge of German and French is required for candidacy for the degree of Doctor of Philosophy. The plan of the graduate courses involves three or four majors of formal courses and three majors or more of seminar courses in addition to research work. For the degree of Doctor of Philosophy the research work will usually extend over a period of three years. For the Master's degree Zoölogy 1, 5 or 7, 15, 16, and 17 or their equivalent, eight majors of graduate work, and a dissertation are required.

The Zoölogical Club.—The members of the staff and the advanced students of the Department form a club which meets weekly for the presentation of the research work of members of the Department and for review and discussion of important new literature. The meetings are open to all students in the Department.

COURSES OF INSTRUCTION

Zoölogy 1 or its equivalent is prerequisite for all the Senior College courses in the Department. But course 5 or 7 may be accepted as its equivalent for advanced work in the Department at the option of the instructor offering advanced courses.

I. JUNIOR COLLEGE COURSES

1. Elementary Zoölogy.—Mj. Autumn, sec. *a*, PROFESSOR NEWMAN; sec. *b*, DR. WELLS; Winter, sec. *a*, ASSOCIATE PROFESSOR DOWNING; sec. *b*, DR. MOORE; DM. Summer, First Term, PROFESSOR NEWMAN.

4. Economic and Systematic Entomology.—M. or DM. (or may be taken as Mj.) Summer, First Term, or Second Term, DR. WELLS.

5. Evolution, Genetics, and Eugenics.—Mj. Summer and Autumn, ——— AND MR. SINCLAIR; Spring, PROFESSOR NEWMAN.

7. Field Zoölogy.—Mj. Spring, DR. WELLS.

II. SENIOR COLLEGE COURSES

14. The Evolution of Man.—Mj. Winter, ——— AND MR. SINCLAIR.

15. Invertebrate Zoölogy.—DM. Summer, ———; Mj. Autumn, ASSOCIATE PROFESSOR CHILD.

16. Invertebrate Zoölogy.—DM. Summer, Second Term, ———; Mj. Winter, PROFESSOR NEWMAN.

17. Vertebrate Zoölogy.—DM. Summer, First Term, PROFESSOR NEWMAN; Mj. Winter, sec. *a*, PROFESSOR NEWMAN; sec. *b*, MR. SINCLAIR; Spring, sec. *a*, PROFESSOR NEWMAN; sec. *b*, MR. SINCLAIR.

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18. Embryology.—Mj. Autumn, PROFESSOR LILLIE.

19. Embryology.—Mj. Winter, PROFESSOR LILLIE.

20. Vertebrate Embryology (for medical students).—Mj. Autumn, DR. MOORE; Mj. Spring, PROFESSOR LILLIE, DR. MOORE, AND ASSISTANTS. Mj. Summer, DR. MOORE.

26. Animal Behavior and Ecology.—Mj. (or M. First Term), Summer and Autumn, DR. WELLS. [Not given in 1917.]

27. Parasitology.—Mj. Spring, DR. WELLS.

28. Entomology.—Mj. Winter, DR. WELLS.

29. Animal Ecology.—Mj. Spring, DR. WELLS.

30. Genetics and Experimental Evolution.—Mj. or DMj. each Quarter, ——— ——— AND MR. SINCLAIR; Summer, ——— ——— AND MR. SINCLAIR.

31A, B, C. Course 30 continued. Each Quarter.

33–35. Physiological Zoölogy.—Mj. or DMj. each Quarter, Autumn, Winter, and Spring, ASSOCIATE PROFESSOR CHILD.

39. Marine Biology (at the Marine Biological Laboratory at Woods Hole, Mass.).—DMj. Summer, PROFESSOR LILLIE AND PROFESSOR NEWMAN.

40. The Teaching of Zoölogy.—M. Summer, First Term, ASSISTANT PROFESSOR DOWNING.

III. GRADUATE COURSES

45. Physiology of Development.—Mj. Autumn, PROFESSOR LILLIE.

46. Organic Evolution.—Mj. Winter, ——— ———.

47. Individuation and Reproduction.—Mj. Spring, ASSOCIATE PROFESSOR CHILD. [Not given in 1918.]

48. Cytological Problems.—Mj. ASSOCIATE PROFESSOR CHILD.

49. Problems in Animal Morphology and Phylogeny.—M. First Term, Autumn, PROFESSOR NEWMAN.

52. Individual Work in Ecology and Entomology.—Every Quarter, DR. WELLS.

IV. SEMINAR COURSES

60. Problems of Fertilization.—Mj. PROFESSOR LILLIE.

60A. The Biology of Sex.—Mj. Spring, PROFESSOR LILLIE. [Not given in 1918.]

61. Bionomic Problems.—Mj. or DMj. ——— ——— AND MR. MACARTHUR. [To be given in 1918.]

61A. Genetics.—Mj. or DMj. Autumn, ——— ——— AND MR. MACARTHUR. [To be given in 1917.]

61B. Eugenics.— ——— ——— AND MR. MACARTHUR. [To be given in 1919.]

63. The Problem of Reproduction in Organisms.—Mj. ASSOCIATE PROFESSOR CHILD.

64. Senescence and Rejuvenescence.—Mj. Winter, ASSOCIATE PROFESSOR CHILD. [Not given in 1918.]

V. RESEARCH COURSES

70. Zoölogical Problems.—2 or 3Mjs. Summer, PROFESSORS LILLIE AND NEWMAN.

71. Zoölogical Problems.—1 to 3Mjs. Summer, PROFESSOR NEWMAN AND OTHERS.

72, 73, 74. Zoölogical Problems.—1 to 3Mjs. Autumn, Winter, and Spring, PROFESSORS LILLIE, CHILD, AND NEWMAN.

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THE DEPARTMENT OF ANATOMY

OFFICERS OF INSTRUCTION

ROBERT RUSSELL BENSLEY, A.B., M.B., Professor of Anatomy.
CHARLES JUDSON HERRICK, PH.D., Professor of Neurology.
BASIL COLEMAN HYATT HARVEY, A.B., M.B., Associate Professor of Anatomy.
PRESTON KYES, A.M., M.D., Associate Professor of Preventive Medicine.
GEORGE WILLIAM BARTELMEZ, PH.D., Assistant Professor of Anatomy.
ELBERT CLARK, S.B., M.D., Assistant Professor of Anatomy.
GEORGE ELMER SHAMBAUGH, M.D., Instructor in Anatomy of the Ear, Nose, and Throat.
CHARLES HENRY SWIFT, M.D., PH.D., Instructor in Anatomy.
CLARK OWEN MELICK, S.B., Instructor in Preventive Medicine.
PERCIVAL BAILEY, S.B., Associate in Anatomy.
JEANNETTE BROWN OBENCHAIN, PH.B., Research Assistant in Anatomy.
RICHARD W. WATKINS, S.B., Assistant in Anatomy.
MARION HINES, A.B., Assistant in Anatomy.
WILLIAM RAYMOND MEEKER, S.B., Assistant in Anatomy.

FELLOW, 1917–18

WARREN BRAMAN SMITH, A.B.

INTRODUCTORY

The Department of Anatomy is organized to provide for instruction and research in vertebrate anatomy, including human anatomy, histology, embryology, and neurology. Two majors of elementary biology (Zoölogy 1 and Botany 1, or their equivalent) are prerequisite for all courses in the Department except course 16.

Students of medicine and other students desiring to study anatomy are strongly recommended to plan their work so that courses in vertebrate anatomy (Zoölogy 17) and vertebrate embryology precede the work in human anatomy. The recommended order of courses in preparation for work in human anatomy would thus be as follows: Zoölogy 1, Botany 1, Zoölogy 17, Anatomy 10, and Zoölogy 20.

All students taking courses in Anatomy should have a good knowledge of French and German. For graduate students this is indispensable.

PRINCIPAL SEQUENCES

Zoölogy 17, Zoölogy 20, Anatomy 1, 2, 3, 4, 10, 11, 17, 21.

SECONDARY SEQUENCES

Zoölogy 17, Zoölogy 20, Anatomy 10, and three majors selected from Anatomy 1, 2, 3, 4, 17, 21.

CANDIDACY FOR HIGHER DEGREES

All candidates for the degree of Doctor of Philosophy in Anatomy should have undergraduate credit for courses 1, 2, 3, 4, 10, 17, or their equivalent. Graduate courses will be selected after consultation with the Department. Students taking Anatomy as a minor subject for this degree are required to take courses 1, 2, 3, 4, 10, 17, 21, and three majors selected from courses 22–40.

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Candidates for the degree of Master of Science in Anatomy are required to take courses in Anatomy amounting to nine majors, of which three majors must be in research work chosen from courses 28, 29, 30, 32, 41, 42, 43.

COURSES OF INSTRUCTION

I. SENIOR COLLEGE COURSES

1, 2, 3, 4. Human Dissection.—3½Mjs. Autumn, Winter, Spring, ASSOCIATE PROFESSOR HARVEY, ASSISTANT PROFESSOR CLARK, DR. SWIFT, AND ASSISTANTS.

Courses 1 and 2.—Dissection of upper and lower extremities. 1½Mjs.

Course 3.—Dissection of thorax and abdomen. 1Mj.

Course 4.—Dissection of head and neck. 1Mj.

7. Topographical Anatomy.—Mj. Summer, ASSOCIATE PROFESSOR HARVEY.

10. Histology.—Mj. Summer, ASSISTANT PROFESSOR CLARK; Autumn, ASSISTANT PROFESSORS BARTELMEZ AND CLARK; Winter, PROFESSOR BENSLEY AND ASSOCIATE PROFESSOR KYES.

10A. Histology.—½Mj. Autumn, ASSISTANT PROFESSOR BARTELMEZ.

11. Advanced Histology.—Mj. Autumn, PROFESSOR BENSLEY.

16. Elementary Neurology.—Mj. Autumn, 8:15 to 10:15, M.–F., PROFESSOR HERRICK.

17. Anatomy of the Nervous System.—Mj. Summer, ASSISTANT PROFESSOR CLARK; Winter, ASSISTANT PROFESSOR BARTELMEZ; Spring, PROFESSOR HERRICK.

19. Cytology of Nerve Cells.—½Mj. Winter, ASSISTANT PROFESSOR BARTELMEZ.

20. Development of the Skeleton.—½Mj. Spring, ASSISTANT PROFESSOR BARTELMEZ.

21. Morphology of the Blood.—½Mj. Summer and Winter, ASSISTANT PROFESSOR CLARK.

22. Anatomy of the Foetus and Infant.—½Mj. Autumn, Winter, and Spring, PROFESSOR HARVEY.

II. GRADUATE COURSES

25. Comparative Neurology.—Mj. Autumn, PROFESSOR HERRICK.

28, 29, 30. Neurological Research.—3Mjs. or 3DMjs. Autumn and Spring, PROFESSOR HERRICK.

31. Course in Immunity.—Mj. or DMj. Autumn and Spring, ASSOCIATE PROFESSOR KYES.

32. Research in Immunity.—Mj. or DMj. Autumn, Winter, and Spring, ASSOCIATE PROFESSOR KYES.

34. Origin and History of the Germ Cells.—½Mj. Spring, DR. SWIFT.

37. Histology of the Organs of Internal Secretion.—Mj. Spring, PROFESSOR BENSLEY.

38. Morphology of the Blood and Blood-forming Organs.—Mj. Spring, ASSISTANT PROFESSOR CLARK.

39. Organogeny (Human).—Mj. Spring, ASSISTANT PROFESSOR BARTELMEZ.

40. Advanced Work.—PROFESSORS BENSLEY AND HERRICK, ASSOCIATE PROFESSOR HARVEY, ASSISTANT PROFESSORS BARTELMEZ AND CLARK.

41, 42, 43. Research Work.—PROFESSOR BENSLEY, ASSOCIATE PROFESSOR HARVEY, ASSISTANT PROFESSORS CLARK AND BARTELMEZ.

45, 46, 47. Seminar.—½Mj. Autumn, Winter, and Spring, PROFESSORS BENSLEY AND HERRICK.

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THE DEPARTMENT OF PHYSIOLOGY

OFFICERS OF INSTRUCTION

ANTON JULIUS CARLSON, PH.D., Professor of Physiology and Chairman of the Department.
DAVID JUDSON LINGLE, PH.D., Assistant Professor of Physiology.
ARNO BENEDICT LUCKHARDT, PH.D., M.D., Assistant Professor of Physiology.
*FRANK CHRISTIAN BECHT, PH.D., M.D., Assistant Professor of Pharmacology.
FRED TERRY ROGERS, PH.D., Instructor in Physiology.
GEORGE EMANUEL BURGET, S.B., Associate in Pharmacology.
MAURICE HOLMES REES, B.S., M.S., Associate in Physiology.
EMMA KOHMAN, B.S., Assistant in Physiology.
CARL ALBERT DRAGSTEDT, S.B., Assistant in Physiology.
ANDREW CONWAY IVY, S.B., Assistant in Physiology.

FELLOW, 1917–18

BERNARD RAYMOND, S.M.

INTRODUCTORY

The courses of the Department of Physiology are arranged for three classes of students:

I. Junior or Senior College students who wish to acquire a knowledge of the structure and functions of the human body, or who wish to study biology from the physiological side. To satisfy the needs of these students and enable them to cover the subject satisfactorily, a three-major course is given: courses 1, 2, and 3, Introductory Physiology. In order to make it accessible to a large number of students, no prerequisites are demanded.[1]

II. Medical students. This work is covered by courses 12, 13, and 14.

For all courses except 1, 2, 3, and 4, General Biology and General Inorganic Chemistry, or equivalent courses, are prerequisite. For each major or double-minor course requiring laboratory work, the laboratory fee is $5.00.

III. Students wishing to specialize in Physiology, or students of other biological sciences who wish to take minor work in Physiology.

SEQUENCES

The Department recommends that students taking Physiology as a major subject should pursue the following courses in introduction: Physics, 1, 2, 3, 4; Chemistry, 2S, 3S, 4, 6, 8; Physiology 1, 2; Zoölogy 1, or Botany 1B; Geology 1. In addition one course in the Comparative Anatomy of Vertebrates.

PRINCIPAL SEQUENCES

Zoölogy 20, Anatomy 10, Bacteriology 1, Physiology 12, 13, 14, Physiological Chemistry 19, 20, Anatomy 17, or Psychology 1.

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* Resigned.

[1] Students who wish to get the most possible out of the course are strongly urged to take elementary general Chemistry and general Biology before beginning the work. As the accommodations are limited, preference in registration will be given to those students who will arrange their work so as to be able to take 1, 2, and 3.

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SECONDARY SEQUENCES

(Prerequisite: Botany 2B, Physiology 1, 2) Zoölogy 20, Anatomy 10, Physiological Chemistry 19, Bacteriology 1, Physiology 12, 13, Psychology 1.

THE BACHELOR'S DEGREE

Senior College students wishing to take their S.B. degree in Physiology should take courses 1, 2, 12, 13, 14. Courses in Chemistry, Physiological Chemistry, Physics, Histology, Bacteriology, Embryology, and Plant Physiology to the extent of three to four majors may be accepted as part of the total of nine majors required for graduation.

THE MASTER'S DEGREE

The requirements for the Master's degree, if all the work is taken in this Department, are: (1) Research, three majors (course 44); (2) six majors from the Graduate or Senior College courses; (3) thesis. The Senior College courses that may be counted toward the Master's degree are 12, 13, 14.

THE DEGREE OF DOCTOR OF PHILOSOPHY

Courses 12, 13, 14, or their equivalents, are required of all candidates for the Doctor's degree, with Physiology as the major subject. The further selection of courses is arranged in each case by consultation.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

Courses 1, 2, and 3 are intended to familiarize the student with the facts concerning the structure and functions of the human body. Students are urged to take all three courses.

1. Physiology of Blood, Respiration, Digestion, Secretion, and Absorption.—Mj. Autumn and Winter, ASSISTANT PROFESSOR LINGLE AND MISS KOHMAN.

2. Physiology of Circulation.—Mj. Winter and Spring, ASSISTANT PROFESSOR LINGLE AND MISS KOHMAN.

3. Physiology of the Brain, Cord, Eye, Ear.—Mj. Spring and Autumn, ASSISTANT PROFESSOR LINGLE AND MISS KOHMAN.

4. Human Physiology.—Mj. Summer, DR. ROGERS AND MR. SUTHERLAND.

II. SENIOR COLLEGE COURSES

12. Physiology of Blood, Circulation, and Respiration.—Mj. Spring, PROFESSOR CARLSON, ASSISTANT PROFESSORS LUCKHARDT AND BECHT, AND MESSRS. LUSSKY, BURGET, SUTHERLAND, AND HAGER; Summer, DR. ROGERS.

13. Physiology of Digestion, Metabolism, Absorption, Secretion, Excretion, Muscles, and Heat.—Mj. Autumn, PROFESSOR CARLSON, ASSISTANT PROFESSOR LUCKHARDT, DR. ROGERS, AND MESSRS. LUSSKY AND SUTHERLAND.

14. Physiology of the Nervous System and the Senses.—Mj. Winter, PROFESSOR CARLSON, ASSISTANT PROFESSOR LUCKHARDT, DR. ROGERS, AND MESSRS. LUSSKY, SUTHERLAND, AND REES.

16. Special Physiology of Mammals.—½Mj. Summer and Autumn, ASSISTANT PROFESSOR LUCKHARDT AND ———.

18. The Principles of Physiology.—½Mj. Spring and Summer, ASSISTANT PROFESSOR LUCKHARDT.

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III. PRIMARILY FOR GRADUATE STUDENTS

31. Special Physiology of the Digestive Tract.—Mj. Winter, PROFESSOR CARLSON AND MR. DRAGSTEDT.

32. Special Physiology of the Glands of Internal Secretion.—Mj. Autumn and Spring, PROFESSOR CARLSON AND MR. DRAGSTEDT.

33. General and Comparative Physiology.—Mj. Autumn, ASSISTANT PROFESSOR LINGLE.

34. Advanced Physiology of the Central Nervous System.—Mj. Summer and Autumn, DR. ROGERS AND MR. DRAGSTEDT.

41. Seminar in Physiology.—Mj. Summer, Autumn, Winter, and Spring, PROFESSOR CARLSON AND ASSISTANT PROFESSORS LINGLE, LUCKHARDT, AND BECHT.

44. Research Work in Physiology.—Mj. or DMj. each Quarter, ASSOCIATE PROFESSOR CARLSON, ASSISTANT PROFESSORS LUCKHARDT AND BECHT, DR. ROGERS.

THE DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY AND PHARMACOLOGY

OFFICERS OF INSTRUCTION

ALBERT PRESCOTT MATHEWS, PH.D., Professor of Physiological Chemistry and Chairman of the Department.
FRED CONRAD KOCH, PH.D., Assistant Professor of Physiological Chemistry.
*FRANK CHRISTIAN BECHT, PH.D., M.D., Assistant Professor of Pharmacology.
SHIRO TASHIRO, PH.D., Instructor in Physiological Chemistry.
LLOYD KENDRICK RIGGS, M.S., Instructor in Physiological Chemistry.
GEORGE EMANUAL BURGET, S.B., Associate in Pharmacology.
RAYMOND CHARLES THOMPSON, S.B., Associate in Physiological Chemistry.
JOHN CLARK HUBBARD, S.B., Assistant in Pharmacology.

FELLOWS, 1917–18

HOWARD MARTIN SHEAFF, A.B. EDWARD CHARLES MASON, A.B.

INTRODUCTORY

Physiological Chemistry, or Biochemistry, has as its field the chemistry of the cells and tissues of plants and animals, the principles of nutrition, the chemistry of the internal secretions, the chemical correlation of the organs of the body, the chemistry of the digestive processes and of the secretions and excretions; the chemical basis of such problems as those of pigmentation, inheritance, fertilization, irritability, and so on. It has to do also with the derangement of chemical processes in disease. The science thus stands in a close and complementary relation with zoölogy, botany, anatomy, pathology, physical physiology, and bacteriology on the one hand and with chemistry on the other.

Pharmacology deals with the chemistry of drugs, the detection of poisons, the nature and method of action of chemical agents on organisms, and with the alterations of the physiological processes of the body produced by chemical agents of all kinds. It is a kind of bridge between physiology and therapeutics.

* Resigned.

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Of the courses offered in this Department, 19 and 20 are intended for medical students. They embrace the chemistry of the cells and tissues, of digestion and of the excretions. They are the minimum requirement for students of medicine in Physiological Chemistry. Courses 27 and 28 are arranged for medical and other students who wish a more thorough training in modern methods of chemistry as applied in biology and medicine. Many of the methods studied in these courses are used later in clinical diagnosis.

For graduate students in Biochemistry, or graduate students in other departments, courses 24, 25, and 26 are arranged to cover the general principles of biochemistry, particularly in animals, in a more thorough manner than is attempted in 19 and 20. In addition, courses 37, 38, and 39 give a training in the particular technique used in the quantitative study of the tissues of plants and animals. Courses 37 and 38 will be particularly valuable also for those intending to enter government laboratories for the control of foods and drugs, or commercial laboratories which have to do with food products.

In Pharmacology course 21 covers the principles of the pharmacodynamic action of drugs and is particularly intended for medical students.

Since the main object of the Department is to increase knowledge in the fields which it covers, students are encouraged to begin their research as soon as possible and even during the last year of their undergraduate work. Graduate students are advised to put their main efforts into research rather than in the taking of courses of instruction. Investigation is the best form of instruction. All graduate students majoring in the Department are expected to take part in the seminars of the Department.

SEQUENCES

Since Physiological Chemistry involves a thorough training in both chemistry and biology it can only be studied after preparation in these other sciences. For that reason it cannot usually be undertaken before the third college year. The college sequence of studies in this Department may embrace for a principal sequence courses 19 and 20, at least three majors of Chemistry, and the other four majors from the Departments of Physiology, Anatomy, Zoölogy, Botany, Bacteriology, or Physics. For the secondary sequence three or four majors of Chemistry, courses 19 and 20, and a major from any other department of science.

The Department recommends that students taking Physiological Chemistry as a major subject should pursue the following courses in introduction: Physics 1, 2, 3, 4; Chemistry 2S, 3S, 4, 6, 8; Physiology 1, 2 or Zoölogy 1 or 15; Botany 1 and 2; Geology 1. In addition, modern languages and one or more courses in Histology and the Comparative Anatomy of Vertebrates, and a course in the Calculus.

THE DEGREE OF DOCTOR OF PHILOSOPHY

In Physiological Chemistry courses 24, 25, and 26, or their equivalent, and three or four majors in special methods and preparations are required of all candidates for the Doctor's degree. Knowledge of physical and organic chemistry and of the literature and history of physiological chemistry are also required. Main emphasis is laid, however, upon ability to do original and accurate research work.

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For the degree of Doctor of Philosophy in Pharmacology a thorough knowledge of physiology, physiological chemistry, toxicology, as well as of the history and literature of pharmacology and the completion of original research work is required.

REQUIREMENT FOR A MINOR IN PHYSIOLOGICAL CHEMISTRY

For students taking a full minor in Physiological Chemistry three majors will be credited for work equivalent to courses 12, 13, and 14 in Physiology, or other courses in General and Comparative Physiology, taken elsewhere; in addition six majors selected from courses 24, 25, 26, 27, 28, 29, 30, 37, 38, 39, 42, and 43 are required. For students taking a partial minor in Physiological Chemistry the equivalent of three majors' work in Physiology or Physiological Chemistry taken elsewhere will be accepted in partial fulfilment of the requirement; in addition three majors selected from courses 24, 25, 26, 27, 28, 29, 30, 37, 38, 39, 42, or 54.

THE MASTER'S DEGREE

The requirements for the Master's degree, if all the work is taken in this Department, are: (1) Research, three majors (course 42 or 43); (2) six majors from the Graduate or Senior College courses; (3) thesis. The Senior College courses that may be counted toward the Master's degree are 19, 20, 21, 24, 25, 26.

LABORATORY FEE

A laboratory fee of $5.00 per major or double minor is charged for each course involving laboratory work. A deposit of $5.00 for breakage is also required of each student taking laboratory work. Any balance remaining will be returned to the student.

COURSES OF INSTRUCTION

I. SENIOR COLLEGE COURSES

19. Physiological Chemistry.—Mj. Winter, PROFESSOR MATHEWS; Summer, ASSISTANT PROFESSOR KOCH.

20. Physiological Chemistry.—Mj. Autumn, ASSISTANT PROFESSOR KOCH; Spring, PROFESSOR MATHEWS.

21. Pharmacology.—Mj. Winter; repeated, Summer, ASSISTANT PROFESSOR BECHT AND MESSRS. BURGET AND HAGER.

II. PRIMARILY FOR GRADUATE STUDENTS

24. Physiological Chemistry.—Mj. Autumn, PROFESSOR MATHEWS AND DR. TASHIRO.

25. Chemistry of Digestion.—Mj. Winter, PROFESSOR MATHEWS AND DR. TASHIRO.

26. Chemistry of Metabolism, Nutrition, and the Urine.—Mj. Spring, PROFESSOR MATHEWS AND DR. TASHIRO.

27. Physical-chemical Methods Applied to the Tissues and Liquids of the Body.—Mj. or ½Mj. Autumn and Spring, DR. TASHIRO.

28. Quantitative Methods of Urine Analysis.—½Mj. or Mj. Spring, PROFESSOR MATHEWS.

29. Biochemical Preparations.—Mj. Summer, Autumn, and Winter, ASSISTANT PROFESSOR KOCH.

30. Biochemical Preparations.—Continuation of 29. Mj. Summer, Autumn, and Winter, ASSISTANT PROFESSOR KOCH.

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37. Methods of Quantitative Analysis in Physiological Chemistry as Applied to Plant and Animal Tissues.—Mj. Winter and Summer, ASSISTANT PROFESSOR KOCH.

38. Methods of Quantitative Analysis in Physiological Chemistry as Applied to Plant and Animal Tissues (continued).—Mj. Autumn and Winter, ASSISTANT PROFESSOR KOCH.

39. Quantitative Microchemical Methods for Studying Cell-Respiration.—Mj. or DMj. Autumn, Winter, and Spring, DR. TASHIRO.

40. Seminar: History of Physiology and Biochemistry.—Mj. Autumn, PROFESSOR MATHEWS.

42. Research Work in Physiological Chemistry.—Mj. or DMj. each Quarter, PROFESSOR MATHEWS, ASSISTANT PROFESSOR KOCH, AND DR. TASHIRO.

43. Research Work in Pharmacology.—Mj. or DMj. each Quarter, ASSISTANT PROFESSOR BECHT.

45. Seminar in Biochemistry and Pharmacology.—Mj. Autumn, PROFESSOR MATHEWS; Winter, ASSISTANT PROFESSOR KOCH; Spring, DR. TASHIRO; Summer, ASSISTANT PROFESSOR BECHT.

54. General and Comparative Physiology (at the Marine Laboratory, at Woods Hole, Mass.).—DMj. Summer.

THE DEPARTMENT OF BOTANY

OFFICERS OF INSTRUCTION

JOHN MERLE COULTER, PH.D., Professor and Head of the Department of Botany.
CHARLES JOSEPH CHAMBERLAIN, PH.D., Professor of Morphology and Cytology.
HENRY CHANDLER COWLES, PH.D., Professor of Ecology.
WILLIAM JESSE GOAD LAND, PH.D., Associate Professor of Morphology.
WILLIAM CROCKER, PH.D., Associate Professor of Plant Physiology.
LEE IRVING KNIGHT, PH.D., Assistant Professor of Physiology.
GEORGE DAMON FULLER, PH.D., Instructor in Ecology.
SOPHIA HENNION ECKERSON, PH.D., Instructor in Physiology.
MERLE CROWE COULTER, S.B., Associate in Botany.

FELLOWS, 1917–18

HUGO LEANDER BLOMQUIST, S.B.
HELEN ASHURST CHOATE, A.M.
JAMES ELIAS CRIBBS, S.M.
ARTHUR THOMPSON EVANS, A.M.
HENRY ALBERT JONES, S.B.
THOMAS GUTHRIE PHILLIPS, S.M.
MANDAYAM A. SAMPATH, S.M.
WANDA WENIGER, S.M.

INTRODUCTORY

The purpose of the Department is to train students in the Morphology, Cytology, Ecology, Physiology, and Pathology of plants, and to add other fields as they become developed. This training includes such knowledge of plants as belongs to general culture, and also for the following positions: teachers in secondary schools, colleges, and universities; investigators in government service; and experts in scientific agriculture.

The *Botanical Gazette*, a journal now in its sixty-fourth volume, is a publication of the Department, and while in no sense an organ of the Department, it

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is the natural channel for the publication of much of its work. The Department also issues a series of *Contributions from the Hull Botanical Laboratory*, 227 numbers of which have been published.

The Botanical Club consists of the instructors and advanced students of the Department, who meet each week to review important current literature, to present the results of their own research, and to hear visiting botanists. The club is made an important means of supplementary training for the special student of Botany.

In courses demanding the use of apparatus a laboratory fee of $5.00 is charged. This fee includes the use of microscope and reagents and plant material. In addition, a breakage ticket is usually needed.

The courses fall naturally into groups under the following classification:

I. *General and introductory.*—Courses 1, 2, and 3 are intended to give a general preparation for biological work in the field of Botany. Each course is complete in itself, but course 1 is a necessary introduction to either 2 or 3, and is the one to be selected by the general student who can give only a single quarter to the subject. Course 5 is a lecture and reading course in evolution and heredity, and is intended to furnish general information to the student concerning the theories of organic evolution and concerning the current experimental work in heredity. Course 6 is intended to correct the tendency of students of morphology to know only laboratory material and to be ignorant of the plant population. Courses 1, 2, 3, 5, and 6 are especially recommended to teachers in the public schools.

Courses 7, 8, and 9 constitute a series intended to give a thorough account of the principal groups of plants, their morphology, and a somewhat detailed outline of their classification. These courses may be taken in any sequence, although the subject develops most naturally if they are taken in the order of their numbering. They are required of all students who intend to do advanced work in the Department, and are adapted to all who desire a thorough elementary knowledge of plants. Unless all three are taken, course 1, or its equivalent, is a prerequisite for any of them.

Course 4 is required of all students who purpose entering any of the courses in Special Morphology.

II. *Special Morphology.*—The courses enumerated under this head (10–15) expand the work of courses 7, 8, and 9, and consider in detail the different groups of plants there studied. They are intended to furnish the training necessary for independent research in morphology. Courses 10, 12, and 13 make up a year's work, offered in alternate years with courses 11, 14, and 15. Courses 17 and 19 are for research students and demand familiarity with German and French.

III. *Physiology.*—Courses 20–22 include work in the fundamental principles of physiology and constitute a continuous course (though they may be elected separately and in any order) prerequisite to research work in Physiology. The laboratory observations in these courses sometimes require work at irregular and unusual hours, which those electing them should be willing to give. Students should be able to read German readily, and must be acquainted with the fundamental principles of physics and inorganic, organic, and preferably physiological chemistry. Physics 1, 2, 3, and Chemistry 1, 2, 3, 4 are highly desirable antecedents, and may in future be made prerequisites.

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IV. *Ecology.*—Courses 30 and 31 are laboratory courses, illustrating the structural, physiological, and experimental phases of Ecology, and are offered in alternate winters. Course 31A continues the work of 31, adapting it to the field. Courses 32–34 are field and laboratory courses, illustrating the geographic phases of Ecology. Course 35 involves both laboratory and field work, and may serve as an introduction to work in forestry. Course 37 is a lecture course involving the application of Ecology to economic problems. Courses 32 and 35 are offered in alternate autumns. Course 36 is offered in various parts of the world and supplements the local work in Ecology at the University. The ability to read German is a decided advantage in all the courses in Ecology, and is a necessity for courses 38 and 39.

V. *Recommended groups for the Bachelor's degree.*—Course 1 or its equivalent is a prerequisite for all sequences.

PRINCIPAL SEQUENCES

Nine majors from courses 2, 3, 4, 5, 6, 7, 8, 9, 24, 30, 34, 35, 36, 37, or 40, after consultation.

Upon approval of the Departmental Adviser, undergraduates may be admitted to graduate courses either (1) after the completion of the principal sequence, or (2) in case such courses are vocational prerequisites.

SECONDARY SEQUENCES

Six majors from courses 2, 3, 5, 6, 7, 8, 9, 34, and 35, after consultation.

THE MASTER'S DEGREE

Six undergraduate majors of Botany are necessary antecedents to the work in Botany which is to count toward the Master's degree. Eight majors (in addition to the six) and a dissertation acceptable to the Department are required for the degree. The courses must be selected with the advice and approval of the Department.

THE DOCTOR'S DEGREE

If Botany is the *minor* subject offered by the candidate for the Doctor's degree, the work required is substantially the same as that for the Master's degree, except that no thesis is required.

If Botany is the *major* subject, or if both major and minor are within the Department of Botany, the requirement is three years of acceptable residence work, and a thesis approved by the Department. As in the case of the Master's degree, six majors of Botany are prerequisites to work counted toward this degree. The courses taken must be *selected with the advice and approval of the Department.*

COURSES OF INSTRUCTION

JUNIOR AND SENIOR COLLEGE COURSES: 1, 2, 3, 5, 6, 7, 8, 9.

SENIOR COLLEGE AND GRADUATE COURSES: 4, 24, 30, 34, 35, 36, 37, and 40.

GRADUATE COURSES: 10, 11, 12, 13, 14, 15, 16, 16A, 17, 19, 20, 21, 22, 23, 28, 29, 31, 31A, 32, 33, 38, and 39.

1. Elementary Botany.—Mj. Summer, Autumn, and Spring, PROFESSOR COULTER AND ASSISTANT.

2. Elementary Plant Physiology.—DM. First Term, Summer, 1917, and Winter, 1918, DR. ECKERSON.

3. Elementary Ecology.—Mj. Summer and Spring, PROFESSOR COWLES AND DR. FULLER.

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4. Methods in Plant Histology.—DM. Summer, First Term; Mj. Spring, Associate Professor Land.

5. Organic Evolution.—Mj. Winter, Professor Coulter.

6. The Local Flora.—M. or DM. Summer, Second Term, Professor Coulter, Professor Chamberlain, and Associate Professor Land; Mj. Spring, Professor Coulter, Professor Cowles, and Dr. Fuller.

7. General Morphology of Thallophytes.—Mj. Autumn, 1917, Professor Coulter and Associate Professor Land.

8. General Morphology of Bryophytes and Pteridophytes.—Mj. Summer, 1917, and Winter, Professor Coulter and Associate Professor Land.

9. General Morphology of Spermatophytes.—Mj. Spring and Summer, 1918, Professor Coulter and Associate Professor Land.

10. Special Morphology of Algae.—Mj. or DMj. Autumn, 1917, Professor Chamberlain.

11. Special Morphology of Fungi.—Mj. or DMj. Autumn, 1918, Professor Coulter.

12. Special Morphology of Bryophytes.—Mj. or DMj. Winter, 1918, Associate Professor Land.

13. Special Morphology of Pteridophytes.—Mj. or DMj. Spring, 1918, Professor Coulter and Professor Chamberlain.

14. Special Morphology of Gymnosperms.—Mj. or DMj. Winter, 1919, Professor Coulter and Professor Chamberlain.

15. Special Morphology of Angiosperms.—Mj. or DMj. Spring, 1919, Professor Coulter and Professor Chamberlain.

16. Seminar in History of Botany.—Mj. or DMj. Autumn, 1917, Professor Coulter.

16A. Seminar in Evolution and Heredity.—Mj. or DMj. Autumn, 1918, Professor Coulter.

17. Cytology.—Mj. Summer, 1918, Professor Chamberlain.

18. Genetics and Experimental Evolution.—See announcement under Department of Zoölogy.

19. Research in Morphology.—Mj. or DMj. Professor Coulter, Professor Chamberlain, and Associate Professor Land.

20. Plant Physics.—Mj. or DMj. Summer and Autumn, 1917, Associate Professor Crocker, Dr. Knight, and Dr. Erickson.

21. Plant Chemics.—Mj. or DMj. Winter and Summer, 1918, Assistant Professor Crocker, Dr. Knight, and Dr. Eckerson.

22. Growth and Movement.—Mj. or DMj. Spring, 1917, and Summer, 1919, Associate Professor Crocker, Dr. Eckerson.

23. Plant Microchemistry.—Mj. Summer and Autumn, Dr. Eckerson.

24. Plant Production in the United States.—Mj. Summer, Associate Professor Crocker.

28. Seminar in Physiology.—Mj. or DMj. Summer, 1917, and Winter, 1918, Associate Professor Crocker, Dr. Knight, and Dr. Eckerson.

29. Research in Physiology.—Mj. or DMj. Associate Professor Crocker, Dr. Knight, and Dr. Eckerson.

30. Ecological Anatomy.—Mj. Winter, 1918, Professor Cowles and Dr. Fuller.

31. Experimental Ecology.—Mj. Winter, Summer, 1918, and Winter, 1919, Professor Cowles and Dr. Fuller.

31A. Experimental Field Ecology.—M. or DM. Summer, 1918, Spring, 1919, Dr. Fuller.

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32. Geographic Botany I.—Mj. Autumn, 1917 (also 1918 if requested by ten students), PROFESSOR COWLES.

33. Geographic Botany II.—Mj. Winter, 1918, PROFESSOR COWLES.

34. Physiographic Ecology.—Mj., 3Ms., or DMj. Spring; also M. or DM. Summer, First Term, PROFESSOR COWLES AND DR. FULLER.

35. Forest Ecology.—Mj. Summer, 1917, and Autumn, DR. FULLER.

36. Field Ecology.—M., DM., 3Ms., or 4Ms., Summer, Second Term, PROFESSOR COWLES AND DR. FULLER.

37. Applied Ecology.—Mj. Autumn, 1918, PROFESSOR COWLES.

38. Seminar in Ecology.—Mj. or DMj. PROFESSOR COWLES AND DR. FULLER.

39. Research in Ecology.—Mj. or DMj. PROFESSOR COWLES AND DR. FULLER.

40. Elementary Plant Pathology.—M. First Term, Summer, PROFESSOR COULTER.

THE DEPARTMENT OF PATHOLOGY

OFFICERS OF INSTRUCTION

LUDVIG HEKTOEN, M.D., Sc.D., Professor and Head of the Department of Pathology.

HARRY GIDEON WELLS, A.M., PH.D., M.D., Professor of Pathology.

EDWARD VAIL LAPHAM BROWN, M.D., Assistant Professor in the Pathology of the Eye.

HARRIET FAY HOLMES, A.B., Special Instructor in Pathological Technique.

EDWIN FREDERICK HIRSCH, A.M., PH.D., M.D., Instructor in Pathology.

GEORGE THOMAS CALDWELL, A.B., A.M., Instructor in Pathology.

———— ————, Laboratory Assistant in Pathology.

———— ————, Research Assistant in Pathology.

LYDIA M. DEWITT, A.M., M.D., Assistant Professor of Pathology
KARL KONRAD KOESSLER, M.D., Assistant Professor of Experimental Medicine
MAUD SLYE, A.B.
JULIAN HERMAN LEWIS, A.M., PH.D.
SIDNEY MARSH CADWELL, S.B.

} Members of the Otho S. A. Sprague Memorial Institute Staff.

FELLOW, 1917–18

EMANUEL BERNARD FINK, S.B.

AT RUSH MEDICAL COLLEGE

LUDVIG HEKTOEN, M.D., Sc.D., Professor and Head of the Department of Pathology.

EDWIN RAYMOND LECOUNT, M.D., Professor of Pathology.

GEORGE HOWITT WEAVER, M.D., Associate Professor of Pathology.

GEORGE FREDERICK DICK, M.D., Assistant Professor of Pathology.

RICHARD FISSON AUSTIN, M.D., Instructor in Pathology; Pathologist, Children's Memorial Hospital.

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HOMER KING NICOLL, A.B., M.D., Instructor in Pathology and Serologist, Presbyterian Hospital.

BURRELL OTTO RAULSTON, M.D., Assistant in Pathology; Resident Pathologist, Presbyterian Hospital.

PATRICK THOMAS MCCARTHY, S.B., M.D., Fellow in Pathology.

INTRODUCTORY

The courses offered by the Department include the required work in Pathology in the curriculum of the first two years in the study of Medicine, as well as advanced courses arranged for those desiring a more extended knowledge of the subject, and for those wishing to qualify themselves for research.

For each major or double-minor course requiring laboratory work the laboratory fee is $5.00.

THE MASTER'S DEGREE

For the Master's degree a dissertation and eight majors of graduate or Senior College work in Pathology are required, if all the work is in Pathology. Substitution of courses in Bacteriology and Immunity may be made with the approval of the Head of the Department, but courses 1, 2, 3, and at least 3 majors of Research must be taken in Pathology.

Students wishing to take a minor in Pathology will meet the same requirements as for the Master's degree, except that a dissertation is not required.

THE DEGREE OF DOCTOR OF PHILOSOPHY

Courses required of all candidates are Pathology 1, 2, and at least 3 majors in course 3; also Bacteriology 2, and a course covering the fundamental principles and methods of Immunology. Courses in Hygiene and Bacteriology may be accepted as equivalent to courses in Pathology to a maximum of 5 majors with the approval of the Head of the Department. A thesis must be presented representing the results of original research under the direction of an officer of the Department, but so conducted as to indicate the ability of the candidate to conduct independent original investigation.

COURSES OF INSTRUCTION

I. SENIOR COLLEGE COURSES

1. General Pathology and Pathological Histology.—Mj. Autumn, DR. HIRSCH AND MR. CALDWELL; Winter, PROFESSOR WELLS, DR. HIRSCH, AND ASSISTANTS.

2. Pathology of Infectious Granulomas and Tumors.—Mj. Spring, PROFESSOR WELLS, DR. HIRSCH, MR. CALDWELL, AND ASSISTANTS.

1 and 2 will be given as double-minor courses in the First and Second Terms of the Summer Quarter. Daily 8:00–11:00, DR. HIRSCH, MR. CALDWELL, AND ASSISTANTS.

5. Special Pathology.—Mj. Spring, DR. HIRSCH AND MR. CALDWELL.

II. GRADUATE COURSES

3. Advanced Pathology.—Mj. Winter and Spring, PROFESSOR WELLS.

4. Research in Pathology.—Mj. or DMj. each Quarter, PROFESSORS HEKTOEN AND WELLS.

6. Pathology of the Eye.—DM. Summer, Second Term, Tu., W., Th., F., 10:00–12:00, ASSISTANT PROFESSOR BROWN.

8. Pathological Technique.—Mj. Autumn, MISS HOLMES.

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THE DEPARTMENT OF HYGIENE AND BACTERIOLOGY

OFFICERS OF INSTRUCTION

EDWIN OAKES JORDAN, PH.D., Professor of Bacteriology and Chairman of the Department of Hygiene and Bacteriology.

‡NORMAN MACLEOD HARRIS, M.B., Assistant Professor of Bacteriology.

JOHN FOOTE NORTON, PH.D., Assistant Professor of Bacteriology.

PAUL GUSTAV HEINEMANN, PH.D., Instructor in Bacteriology.

WILLIAM ERNEST CARY, PH.D., Instructor in Bacteriology.

ALBERT GORDON BOWER, M.D., Instructor in Bacteriology.

BENJAMIN J. CLAWSON, A.M., M.D., Instructor in Bacteriology.

JOHN EVERETT GORDON, S.B., Assistant in Bacteriology.

DUDLEY BILLINGS REED, A.B., M.D., Associate Professor of Physical Culture; Health Officer of the University.

WILLIAM THOMAS BELFIELD, M.D., Professor of Surgery, Rush Medical College.

HARRY JOHN CORPER, PH.D., Director of Laboratories of the Municipal Tuberculosis Sanitarium.

WALTER A. GEKLER, M.D., Medical Superintendent, Municipal Tuberculosis Sanitarium.

ALICE HAMILTON, M.D., Investigator of Occupational Diseases, U.S. Bureau of Labor Statistics.

HENRY FREDERICK HELMHOLZ, M.D., Assistant Professor of Medicine, Rush Medical College.

EMERY ROE HAYHURST, M.D., PH.D., Assistant Professor of Industrial Hygiene, Ohio State University (Summer, 1917).

FELLOW, 1917–18

FREDERICK WILLIAM MULSOW, S.B.

PRINCIPAL SEQUENCE

The principal sequence consists of nine majors from the courses offered by the Department. The sequence must be arranged in consultation with the Head of the Department.

SECONDARY SEQUENCE

To students wishing to take a minor in this Department, six majors from the following courses are recommended: 1, General Bacteriology; 2A, Pathogenic Bacteria; 3, Public Hygiene; 4, Industrial Hygiene; 5, Public-Health Problems; 10, Sanitary Aspects of Milk Supply (or 11, Water and Water Supply, or 12, Public Health Laboratory Methods); 15, Advanced Bacteriology (2 or 2½Mjs.).

For the Master's degree a dissertation and six majors of graduate work in this Department are required. The majors must be selected with the approval of the Head of the Department.

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‡ Absent on leave.

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COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

100. Personal Hygiene.—½Mj. Winter, Associate Professor Reed; Summer, Assistant Professor Hayhurst.

II. SENIOR COLLEGE COURSES

1. General Bacteriology.—Mj. Autumn, Spring, and Summer, Assistant Professor Norton.

2A. The Pathogenic Bacteria.—Mj. Winter, Assistant Professor Norton.

2B. The Pathogenic Bacteria.—1½Mjs. Autumn and Summer, Dr. Bower and Dr. Cary.

3. Public Hygiene.—½Mj. Autumn, Professor Jordan.

4. Industrial Hygiene.—½Mj. Summer, Assistant Professor Hayhurst; Winter, Dr. Hamilton.

5. Public-Health Problems.—½Mj. Spring, Professor Balfield, Assistant Professor Helmholz, Dr. Corper, and Dr. Gekler.

III. GRADUATE COURSES

10. Sanitary Aspects of Milk Supply.—Mj. Autumn and Summer, Dr. Heinemann.

11. Water and Water Supply.—Mj. Winter, Assistant Professor Norton.

12. Public-Health Laboratory Methods.—Mj. Winter, Dr. Cary.

13. Parasitology.—Mj. [Not given in 1917.]

14. Immunity in Relation to Preventive Medicine.—Mj. Autumn, Dr. Heinemann.

15. Advanced Bacteriology.—Mj. Repeated each Quarter, Professor Jordan and Assistant Professor Norton.

16. Vital Statistics and Epidemiology.—½Mj. Spring, Professor Jordan.

17. School Hygiene.—Mj. Spring, Associate Professor Reed.

18. Special Bacteriology.—Mj. Winter, Dr. Bower.

20. Research in Bacteriology.—Mj. or DMj. each Quarter, Professor Jordan.

THE DEPARTMENT OF PUBLIC SPEAKING

OFFICERS OF INSTRUCTION

Solomon Henry Clark, Ph.B., Associate Professor of Public Speaking.

Bertram Griffith Nelson, A.B., Assistant Professor of Public Speaking.

COURSES OF INSTRUCTION

I. JUNIOR COLLEGE COURSES

1. Public Speaking.—Mj. Autumn, 8:15, Assistant Professor Nelson. Class limited to 20. Mj. Winter, 10:45, Assistant Professor Nelson. Class limited to 20. Mj. Spring, sec. *a*, 8:15; sec. *b*, 9:15, Assistant Professor Nelson. Classes limited to 20.

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II. SENIOR COLLEGE COURSES

2. Public Speaking.—Mj. Autumn, 9:15, ASSISTANT PROFESSOR NELSON.

3. Public Speaking.—Mj. Autumn, 10:45, ASSOCIATE PROFESSOR CLARK.

6. Interpretation of the Printed Page.—Mj. Autumn, 11:45, ASSOCIATE PROFESSOR CLARK; Winter, 11:45, ASSISTANT PROFESSOR NELSON; Summer, sec. *a*, 10:45, Mj. (or M. First Term), ASSOCIATE PROFESSOR CLARK (First Term) AND ASSISTANT PROFESSOR NELSON (Second Term); sec. *b*, 11:50, M. First Term, ASSOCIATE PROFESSOR CLARK.

7. Principles of Vocal Expression.—M. First Term, Summer, 10:45, ASSISTANT PROFESSOR NELSON.

9. The Vocal Interpretation of Poetry.—Mj. Spring, 11:45, ASSOCIATE PROFESSOR CLARK.

14. The Fundamentals of Effective Speaking.—Mj. (or M. First Term), Summer, 9:00, ASSISTANT PROFESSOR NELSON.

17. Vocal Interpretation of Shakespeare.—Mj. Spring, 10:45, ASSOCIATE PROFESSOR CLARK.

18. The Speaking Voice and English Pronunciation.—Mj. Spring, 11:45, ASSOCIATE PROFESSOR CLARK.

THE DEPARTMENT OF PHYSICAL CULTURE AND ATHLETICS

OFFICERS OF INSTRUCTION

AMOS ALONZO STAGG, A.B., Professor and Director of the Department of Physical Culture and Athletics.

DUDLEY BILLINGS REED, A.B., M.D., Associate Professor of Physical Culture and Medical Examiner (Men).

GERTRUDE DUDLEY, Associate Professor of Physical Culture.

MARGARET BELL, Instructor in Physical Culture.

DOROTHY STILES, Instructor in Physical Education.

KATHERINE L. CRONIN, Instructor in Physical Education.

JOSEPH HENRY WHITE, Assistant in Physical Culture.

DANIEL LEWIS HOFFER, Assistant in Physical Culture.

*JOSEPHINE E. YOUNG, M.D., Medical Examiner (Women).

HELEN ROCKWELL, Assistant in Physical Culture.

STATEMENT OF WORK

GENERAL

In so far as it is the function of education to train the growing individual for usefulness in life, to that extent physical education must demand attention in any proper scheme of educational work, since the capacity for usefulness is so largely determined by the physical health of the individual.

This Department is organized to supply the opportunity for such physical work as experience has shown to be necessary under modern conditions to counteract the deleterious individual effects of close application to mental work and to favor the attainment by the individual student of a high state of physical efficiency.

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* Resigned.

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The work of this Department is organized under these heads: (*a*) *Hygienic:* (1) to aid function; (2) to develop form; (3) to correct undeveloped or deformed parts. (*b*) *Educative:* (1) to perfect nervous control; (2) to gain mental and moral self-control; (3) to develop muscular strength and endurance. (*c*) *Recreative.*

In order that these needs may be adequately supplied, a large variety of work—hygienic, recreative, corrective, and competitive—is offered in regularly organized classes, in both gymnastics and athletics. Large opportunities are offered for individual work outside of the class organization, and provision is made for advice and assistance in such work.

Class work in Physical Culture is required during four half-hours a week of all undergraduate students not excused on account of physical disability. Six quarters' work in Physical Culture is required of Junior College students and four quarters of Senior College students. The work of the Department of Physical Education for Women is conducted in Ida Noyes Hall. Students taking an excessive number of cuts will not be allowed to continue their University work until they conform to this requirement.

It is intended that a thorough physical examination shall preface the work of every student in physical training. This examination is required for undergraduate matriculants and is advised for graduates during the first two weeks of their first quarter in residence. On the basis of information gained from this examination, suggestions for work and advice on health topics will be given each individual by the Medical Examiner or Physical Director.

No one will be permitted to study for four consecutive quarters in the University, or to do extra normal work, i.e., more than three courses per quarter, without first obtaining a statement from the Medical Examiner to the effect that the extra work may be attempted without a probable injury to the health of the student.

WORK FOR WOMEN

The plan of work is threefold: general class work, elective athletic work and dancing, and corrective work. The general class work consists of tactics, free standing, hand and heavy apparatus work, folk-dancing, and gymnastic games. This work is graded elementary, intermediate, and advanced, thus offering the students a change of work from year to year.

The corrective work is given under special supervision to all those who are in need of remedial work, and also to those who are unable to do the regular class work.

The athletic work, which is elective, is taken in combination with the class work—two periods of each a week—in order that the student by this combination may obtain the best possible development.

This work, which is done under the direction of the Department, includes in the different seasons basket-ball, indoor and outdoor baseball, field hockey, ice-skating, tennis, golf, rowing, and swimming. The competitive side of the work is developed by match games during the year, culminating in the annual championship games for the silver cup and the banner between the Junior and Senior College teams, and with tournaments in the other sports and an annual gymnastic contest.

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WORK FOR MEN

In addition to the regular graded gymnastic work, a certain part of which consists of work in gymnastic dancing and group games, elementary instruction is given in swimming, wrestling, and fencing in large classes. These groups are later subdivided for more advanced work. Opportunity for the playing of hand ball and squash is given, and instruction provided as required. Teams for intercollegiate competition are organized in football, baseball, track and field athletics, basket-ball, gymnastics, swimming, wrestling, fencing, tennis, and golf. Class and department teams are organized in as many lines of competition as possible and schedules arranged to decide class and University championships. Contests to decide the individual all-around championship are conducted annually in each of the following: swimming, wrestling, fencing, and gymnastics.

Faithfulness and intelligence in training and practice count for more in securing places on the University teams than individual brilliancy and natural ability alone.

BUILDINGS

Ida Noyes Hall.—The main portion of the building has a frontage of 240 feet on Fifty-ninth Street between Woodlawn and Kimbark avenues. From the middle of the main structure the gymnasium extends 100 feet back to the north. To the west of the gymnasium is the swimming-pool, 60 by 25 feet in size, which has a skylight, and windows opening into the cloister garden. In the basement is a gymnasium, 38 by 66 feet in extent, with lockers, dressing-rooms, showers, and two bowling-alleys. On the second floor are the offices and a room for corrective gymnastic work, 30 by 40 feet in size, and individual restrooms. From the memorial hall on the second floor, with its adjoining trophy-room, doors lead to the spectators' gallery in the gymnasium. The building contains provisions also for the women's commons and for social purposes. The building is the gift of Mr. La Verne Noyes in memory of his wife, Ida E. S. Noyes.

Frank Dickinson Bartlett Gymnasium.—The Frank Dickinson Bartlett Gymnasium, a memorial to Frank Dickinson Bartlett, has been in use since the Autumn Quarter of 1903. It was formally dedicated on January 29, 1904. The building, with equipment, cost over $275,000. It is 200 feet long by 80 feet wide. The basement floor contains four large dressing-rooms for the University and visiting teams, shower baths, Turkish baths, rubbing-room, stockroom, vaults, and special classrooms for fencing and wrestling. The first floor has space for 1,500 lockers, 25 shower baths, a swimming-tank, Faculty exercising room, and offices. The swimming-tank is 60 by 28 feet—a very convenient size for conducting swimming races. It is beautifully fitted up with white tile. A gallery with seats for 200 people overlooks the water. The second or top floor is the exercising room; it extends over the whole building and is entirely free from pillars. A running-track varying in width from 12 feet 6 inches to 16 feet 6 inches, with 13.4 laps to the mile, extends around the walls twelve feet above the floor. The gymnasium has been equipped with the best and most modern apparatus, a large part of which is new in design and was made especially for this building. Provision has been made by multiplying pieces of apparatus for the exercising of large squads

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of men at one time with the smallest loss of time to the individual. A large triple batting-cage has been installed for winter baseball practice, and bleachers which will accommodate 1,500 persons have been built for use at athletic meets.

GROUNDS

For women.—(*a*) Outdoor Gymnasium. A turfed field, north of Ida Noyes Hall, is used for class work and gymnastic games. (*b*) On the northern portion of the block between Greenwood and University avenues and Sixtieth and Sixty-first streets are two fine hockey fields.

For men.—The Athletic Field includes two city squares and is fully equipped for all kinds of squad and competitive work.

A concrete grandstand, 480 feet long and 50 feet high, occupies the west side of the field. Under the stand are toilet-rooms, a racquet court, locker-rooms, baths, teamrooms, squash and handball courts. This equipment is used as supplementary to the gymnasium.

In addition to the above fields and courts there are thirty-one tennis courts on the campus, which are used by both men and women students. These were built by means of receipts from the athletic games.

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PART III

UNIVERSITY COLLEGE

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UNIVERSITY COLLEGE

ORGANIZATION

University College was organized in 1898 for the purpose of conducting afternoon, evening, and Saturday classes in college subjects for those who find it impossible or inconvenient to attend University classes at the University Quadrangle. Classes are conducted throughout the year at 80 East Randolph Street, opposite the Public Library.

The instructors in University College are regular members of the University Faculties; the courses are the same in amount and quality of work as other University courses, and they are fully credited as resident work toward University degrees.

Since University College is a regular college of the University, conditions concerning admission, advanced standing, and degrees are the same as those governing other colleges. These regulations and specifications are printed in full on pp. 97–118 of this *Register*.

ADMISSION

1. *Regular students.*—Admission to regular standing in University College is granted to the following classes of students: (*a*) To those who have fulfilled the requirements for admission to any one of the Junior Colleges. (*b*) To graduates of schools co-operating with the University who present certificates covering fifteen units of admission requirements. (*c*) To teachers in the public or private schools of Chicago or vicinity who have completed a four years' course in a Chicago high school or the equivalent thereof.

2. *Unclassified students.*—Persons not under twenty-one years of age, who have not had the requisite amount of preparatory training for registration as regular students, and who are not seeking degrees, are admitted as unclassified students to courses for which, in the judgment of the Dean and instructors, they are prepared.

COURSES OF INSTRUCTION, FEES, ETC.

[For list of courses, fees, etc., see the *Circular* of information of University College, 1917–18.]

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PART IV

THE PROFESSIONAL SCHOOLS

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PROFESSIONAL SCHOOLS

I. THE DIVINITY SCHOOL

A. ORGANIZATION AND REGULATIONS

(I) OFFICERS OF GOVERNMENT AND INSTRUCTION

1. THE BOARD OF TRUSTEES OF THE UNIVERSITY OF CHICAGO

OFFICERS

MARTIN A. RYERSON, President.
ANDREW MACLEISH, First Vice-President.
FREDERICK A. SMITH, Second Vice-President.
CHARLES L. HUTCHINSON, Treasurer.
J. SPENCER DICKERSON, Secretary.
WALLACE HECKMAN, Counsel and Business Manager.
THOMAS WAKEFIELD GOODSPEED, Corresponding Secretary.
TREVOR ARNETT, Auditor.

MEMBERS

CLASS I. TERM EXPIRES IN 1918

ADOLPHUS C. BARTLETT — J. OTIS HUMPHREY
HOWARD G. GREY — CHARLES L. HUTCHINSON
CHARLES R. HOLDEN — FRANCIS W. PARKER
FREDERICK A. SMITH

CLASS II. TERM EXPIRES IN 1919

ELI B. FELSENTHAL — JULIUS ROSENWALD
HARRY PRATT JUDSON — MARTIN A. RYERSON
HAROLD F. MCCORMICK — WILLARD A. SMITH
HAROLD H. SWIFT

CLASS III. TERM EXPIRES IN 1920

TREVOR ARNETT — THOMAS E. DONNELLEY
JESSE A. BALDWIN — CHARLES E. HUGHES
J. SPENCER DICKERSON — ANDREW MACLEISH
ROBERT L. SCOTT

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2. OFFICERS OF THE THEOLOGICAL UNION AND BOARD OF TRUSTEES

CHARLES A. MARSH, President, Chicago.
SMITH T. FORD, Vice-President, Chicago.
J. SPENCER DICKERSON, Secretary, Chicago.
FRANCIS W. PARKER, Treasurer, Chicago.
TREVOR ARNETT, Auditor, Chicago.
WALLACE HECKMAN, Counsel and Business Manager, Chicago.

CLASS I. TERM EXPIRES IN 1918

WILLIAM CLANCY, Chicago.
CHARLES W. GILKEY, Chicago.
HARRY PRATT JUDSON, Chicago.
SHAILER MATHEWS, Chicago.
ROBERT L. SCOTT, Chicago.

CLASS II. TERM EXPIRES IN 1919

FRANK H. BURT, Chicago.
SMITH T. FORD, Chicago.
CHARLES A. MARSH, Chicago.
JOHN A. REICHELT, Deerfield, Ill.
JUDSON B. THOMAS, Chicago.

CLASS III. TERM EXPIRES IN 1920

J. SPENCER DICKERSON, Chicago.
THOMAS W. GOODSPEED, Chicago.
CHARLES R. HOLDEN, Chicago.
JULIUS A. JOHNSON, Chicago.
FRANCIS W. PARKER, Chicago.

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3. THE DIVINITY FACULTY

HARRY PRATT JUDSON, A.M., LL.D., President of the University.
SHAILER MATHEWS, A.M., D.D., LL.D., Professor of Historical and Comparative Theology; Dean of the Divinity School.
GALUSHA ANDERSON, S.T.D., LL.D., Professor Emeritus of Homiletics.
ERNEST DEWITT BURTON, D.D., Professor and Head of the Department of New Testament Literature and Interpretation.
SHIRLEY JACKSON CASE, PH.D., D.D., Professor of Early Church History and New Testament Interpretation.
†FRANKLIN JOHNSON, D.D., LL.D., Professor Emeritus of Church History and Homiletics.
ANDREW CUNNINGHAM MCLAUGHLIN, A.M., LL.B., Professor of History and Head of the Department of Church History.
GERALD BIRNEY SMITH, A.M., D.D., Professor of Christian Theology.
THEODORE GERALD SOARES, PH.D., D.D., Professor of Homiletics and Religious Education and Head of the Department of Practical Theology.
FRANK WAKELEY GUNSAULUS, A.M., D.D., Professorial Lecturer on Practical Theology.
ALONZO KETCHAM PARKER, D.D., Professorial Lecturer Emeritus on Modern Missions.

† Deceased.

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ALLAN HOBEN, PH.D., Associate Professor of Homiletics and Pastoral Duties.
JOHN WILDMAN MONCRIEF, A.M., D.D., Associate Professor of Church History.

FREDRIC MASON BLANCHARD, A.M., Assistant Professor of Public Speaking.
FRED MERRIFIELD, D.B., Assistant Professor of New Testament History and Interpretation.

PETER GEORGE MODE, A.M., TH.B., PH.D., Instructor in Church History.

ROBERT WATERMAN STEVENS, Associate and Director of Music.
WALTER LEROY RUNYAN, D.B., Assistant in charge of the Divinity School Library.

ALEXANDER R. GORDON, LITT.D., Professor of Old Testament Literature and Exegesis, Presbyterian College, Montreal, Canada (Summer, 1917).
ARTHUR S. HOYT, D.D., Professor of Homiletics, Auburn Theological Seminary (Summer, 1917).
FREDERICK OWEN NORTON, PH.D., Professor of Greek, Drake University (Summer, 1917).
HERBERT ALDEN YOUTZ, PH.D., Professor of Christian Theology, Auburn Theological Seminary (Summer, 1917).

PETER GEORGE MODE, A.M., TH.B., PH.D., Secretary of the Northwestern Baptist Education Society.

4. THE DIVINITY CONFERENCE

The Divinity Conference consists of all members of the Divinity Faculty and of the following instructors in the Faculties of the Schools and Colleges of Arts, Literature, and Science whose work is closely associated with that of the Faculty of the Divinity School:

JAMES HENRY BREASTED, PH.D., Professor of Egyptology and Oriental History; Director of Haskell Oriental Museum.
WILLIAM EDWARD DODD, PH.D., Professor of American History.
GEORGE BURMAN FOSTER, PH.D., Professor of the Philosophy of Religion.
EDGAR JOHNSON GOODSPEED, PH.D., Professor of Biblical and Patristic Greek; Assistant Director of Haskell Oriental Museum.
IRA MAURICE PRICE, PH.D., LL.D., Professor of the Old Testament Language and Literature.
JOHN MERLIN POWIS SMITH, PH.D., Professor of the Old Testament Language and Literature.
HERBERT LOCKWOOD WILLETT, PH.D., Professor of the Old Testament Language and Literature.
CLYDE WEBER VOTAW, PH.D., Associate Professor of New Testament Literature.
DANIEL DAVID LUCKENBILL, PH.D., Assistant Professor of the Semitic Languages and Literatures.
MARTIN SPRENGLING, PH.D., Assistant Professor of the Semitic Languages and Literatures.
ERRETT GATES, PH.D., Instructor in History and Assistant Professor in the Disciples' Divinity House in Church History.

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5. FELLOWS IN THE DIVINITY SCHOOL, 1917–18

GUSTAV ADOLF VON BRAUCHITSCH, Semitics.
JOHN WILLIAM DECKER, A.M., TH.M., Practical Theology.
WILLIAM FRANKLIN EDGERTON, A.B., Semitics.
ALBERT EUSTACE HAYDON, TH.B., D.B., A.M., Systematic Theology.
LAIRD THOMAS HITES, A.M., D.B., Practical Theology.
WILLIAM ANDREW IRWIN, A.M., Semitics.
CLYO JACKSON, A.M., New Testament.
CHARLES JAMES RITCHEY, A.M., New Testament.
OVID ROGERS SELLERS, D.B., Semitics.
COMER MCDONALD WOODWARD, A.M., Sociology.

(II) GENERAL INFORMATION AND REGULATIONS OF THE DIVINITY SCHOOL

The Divinity School includes—

1. *The Graduate Divinity School*, designed for college graduates.

2. *The English Theological Seminary*, offering a four years' prescribed curriculum in English subjects, consisting of resident courses in the Summer Quarter and non-resident correspondence courses in the other three quarters of the year.

3. Co-operating with the Divinity School are the Chicago Theological Seminary (affiliated according to the terms on page 328), the Disciples' Divinity House, the Ryder Divinity House, and the Meadville Theological Seminary. Special arrangements can be made also for work in the Young Men's Christian Association College. The Norwegian Baptist Divinity House is also affiliated with the University. The faculties of the affiliated seminaries and Divinity Houses constitute an exceptionally large teaching body and arrange their work in such a way as greatly to increase the field of specialization.

FELLOWSHIPS, SCHOLARSHIPS, AND REMUNERATIVE RELIGIOUS WORK

1. *Fellowships.*—

1) The following Fellowships are available for students in the Graduate Divinity School:

a) The "Biblical Fellowship," yielding $420 for one year, is assigned to that student who has spent not less than two years in residence at a theological school of approved standing, and who, in the judgment of the Faculty, has shown special proficiency in biblical subjects.

b) The "Historical Fellowship," yielding $420 for one year, is assigned to that student who has spent not less than two years in residence at a theological school of approved standing, and who, in the judgment of the Faculty, has shown special proficiency in historical subjects.

c) The "Theological Fellowship," yielding $420 for one year, is assigned to that student who has spent not less than two years in residence at a theological school of approved standing, and who, in the judgment of the Faculty, has shown special proficiency in theological subjects.

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d) The "Drake Memorial Biblical Fellowship" of $6,000, founded by Mrs. Caroline M. Drake, of St. Paul, Minn., the income to be used for the benefit of a Fellow in the Divinity School whose specialty is the study of the Sacred Scriptures.

NOTE.—The foregoing four Fellowships are, by direction of the founders, limited to Baptist students.

e) Five "Divinity School Fellowships," each yielding $405 for one year, are assigned to students who have spent not less than two years in residence at a theological school of approved standing.

NOTE.—These five Fellowships are not limited to Baptist students.

f) Fellowships of various amounts are also assigned students who are registered in the Departments of Oriental Languages and Literatures, and Biblical and Patristic Greek, in the Graduate School of Arts and Literature.

2) *Service.*—In order to cultivate independence on the part of the student, and to obtain for him the advantage which proceeds from practical work, each student on a Fellowship is expected to render assistance of some kind in connection with the work of the Divinity School. This assistance consists, for the most part, in work upon the *Biblical World*, or as assistant in reading class papers, or as assistant in the departmental library; but in no case will a student be expected, or allowed, to devote more than one-sixth of his time to such service.

3) *Outside work.*—During the time of appointment a Fellow may not have pastoral charge of a church or do outside work for pecuniary compensation without the special permission of the Faculty or the President.

4) *Quarterly report.*—The Fellow makes to the President, at the beginning of each quarter, a written report, indorsed by the head or acting head of his department, indicating the courses chosen by him as a student and the work assigned to him as an officer of the University for the current quarter and for the previous quarter.

5) *Method of application.*—Applications for a Fellowship should be addressed to the President of the University. Such application should be accompanied by: (*a*) A brief sketch of the life and work of the applicant; (*b*) a catalogue of the institution from which he has received his Bachelor's degree, with the courses in which he has studied marked; (*c*) a catalogue of the institution in which he has pursued his theological studies, with the courses in which he has studied marked; (*d*) any theses or papers of a scientific character which have been prepared by the applicant, whether printed or otherwise; (*e*) letters or testimonials from former instructors with regard to the applicant's ability in the particular line in which he applies for a Fellowship.

The annual assignment of Fellowships takes place during the first days of April, and *applications must be in the hands of the President on or before March 1.*

A blank form of application will be furnished by the Dean of the Divinity School.

2. *Scholarships.*—

The following Scholarships are available for students in the Graduate Divinity School:

1) The "Caleb Van Husan Scholarship" of $2,000, endowed by the family of the late Caleb Van Husan, of Detroit, Mich., the income to be used for the benefit of a member of the Middle or Senior Class who gives unusual promise.

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2) The "McClurg Scholarship" of $2,000, founded by Miss Mary F. McClurg, of St. Paul, Minn., the income to be used for the benefit of one or more students of the Divinity School, graduates of Pillsbury Academy or students from the state of Minnesota to have the preference.

3) The "Edgcomb Sisters Memorial Fund" of $2,000, the income to be used for the benefit of a theological student who gives evidence of future efficiency in the ministry.

4) The "Charles Miller Burchard Memorial Scholarship" of $2,500, endowed by Mrs. H. M. Burchard, of Kankakee, Ill., the income to be used for the benefit of a theological student approved by the donor and the Faculty.

5) The "First Baptist Church Indianapolis Scholarship" of $2,500, endowed by E. C. Atkins, of Indianapolis, Ind., the income to be used for the benefit of a theological student approved by the Faculty.

6) The "Daniel Volintine Memorial Scholarship" of $2,500, endowed by Mrs. Sarah J. Volintine, of Aurora, Ill., the income to be used for the benefit of one or more theological students, approved by the donor and the Faculty.

7) The "Andrew MacLeish Scholarship" of $3,000, endowed by Andrew MacLeish, of Chicago, Ill., the income to be used for the benefit of a theological student approved by the donor and the Faculty.

8) The "Mary A. Roundy Scholarships," two of $3,000 each, the income to be used for the benefit of theological students approved by the Faculty.

9) The "Henry H. Hewitt" fund of $3,000, the income to be used for worthy students "who give promise of becoming efficient gospel preachers."

10) The "Alexa J. Gates" fund of $10,000, the income to be used for the benefit of ministerial students.

11) The "O. S. Phelps Aid Fund" of $2,000, the income to be used in "assisting deserving students of the Divinity School."

NOTE.—Service in connection with some church or of some other sort will be required of those to whom these scholarships are assigned.

3. *Scholarship funds.*—In addition to the above the University has set aside the income from certain specific sources as a Divinity Scholarship Fund. The income from these sources is at present about $12,000.

From all the above-named sources, and by the co-operation of the Northwestern Baptist Education Society, the Graduate Divinity School is able to offer to applicants of specified grade in classroom work Annual Scholarships varying from $105 to $305 a year ($35 to $100 a quarter). Service under the direction of the Committee on Practical Work for Students will be required of all those receiving more than the tuition voucher of $35 a quarter. Detailed information as regards scholarships and funds as well as application blanks may be obtained from the Dean of the Divinity School.

To applicants whose credentials are satisfactory, these scholarships and fellowships may be assigned before they come to the University. Students who desire to receive such aid are advised to make application in advance.

These scholarships cannot be assured to students who are present for the Summer Quarter only.

4. *The Milo P. Jewett Prize for Bible Reading.*—A prize of fifty dollars ($50) is awarded annually to the student evincing the greatest ability in the reading of the Scriptures. Contestants must have not less than eighteen (18) nor more

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than twenty-seven (27) majors of graduate Divinity credit. Application must be made to the Dean before May 1.

5. *The Northwestern Baptist Education Society.*—Students who are members of regular Baptist churches, and who have not had sufficient experience to supply a pulpit regularly, may receive assistance from the Northwestern Baptist Education Society on condition that they render some appointed service so arranged as not to interfere with their work in the classroom. The Society may also at its discretion loan without interest to worthy students, especially those who desire to devote their entire time and energy to study, an amount not exceeding $100 a year, the same to be repaid in instalments after leaving the institution.

6. *Remunerative religious work.*—The Graduate Divinity School will aid approved students of satisfactory standing in their studies to earn at least $200 during the academic year composed of the Autumn, Winter, and Spring Quarters. This guaranty is in addition to the tuition voucher of $105, given to applicants who need the assistance and maintain the prescribed grade in scholarship.

1) *The religious work* open to students may be classified as follows: (1) *Preaching,* which may be engaged in to a limited extent, with the permission of the Dean, during residence and during regular or special vacations. There are frequent opportunities for supplying churches temporarily or regularly, in the city and surrounding towns, for which a reasonable compensation may be expected; but such services can be rendered only by those who have had experience in preaching, and may be undertaken only under the direction of the Dean, and with the provision that it shall not occasion the absence of the student from any regular recitation or lecture. (2) *City mission, Young Men's Christian Association, pastoral assistance, and Sunday-school work.* (3) *Work in co-operation with charitable organizations.*

2) *Arrangements for preaching* or for religious work are made through the Dean and the Student-Secretary of the Divinity School.

3) *Further opportunities for self-help.*—In addition to the help which may be secured from participation in work of a religious character, students in the Divinity School may avail themselves of an employment bureau conducted by the University for the aid of students desiring to earn money to assist them in defraying their expenses.

4) Remunerative work cannot be assured to students who are present during the Summer Quarter only. Assistance will be given in securing such work as may be available.

Correspondence regarding scholarships, aid from the Education Society, and remunerative religious work should be addressed to the Dean of the Divinity School.

EXPENSES

1. *Tuition.*—The fee for instruction (including incidental and library fees) is $40.00 a quarter, except that in the Summer Quarter a merely nominal fee of $5.00 a quarter, $2.50 a term, is charged. To students entering the University for the first time there is a charge of $5.00 as a matriculation fee. (See paragraph 3, *Scholarship funds,* above, for statement as to scholarships and tuition vouchers.)

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2. *Room rent.*—By the gift of Mr. John D. Rockefeller, two Divinity halls, accommodating 140 students, have been erected upon the University grounds in which furnished rooms are rented to students regularly matriculated in the Divinity School at from $8.00 to $12.00 a quarter, this charge being intended to cover the expense of heat, light, and care of room. Rooms cannot be subrented, exchanged, or transferred except by permission of the Cashier. Applications for rooms should be sent to the Cashier of the University. No rooms will be reserved except upon deposit of $5.00. A fee of $0.75 a quarter is charged for the laundry of bed linen and towels in the dormitories.

The University has also in the neighborhood of the Divinity School one building providing six and another building containing four apartments, of four rooms each, intended for the use of married Divinity students. These apartments can be engaged on annual leases, but they may be sublet under certain conditions. They are all unfurnished except two apartments, which are furnished for the use of foreign missionaries on furloughs who are studying in the Divinity School. Rooms may also be rented in the vicinity of the University.

3. *Diploma and certificate fees.*—The charge for the diploma of the University is $10.00 and for the certificate $5.00. The graduation fee for Doctors of Philosophy, including diploma and hood, is $15.00.

4. *Payment of bills.—All tuition and laboratory fees are due and payable on or before the first day of each quarter. Delay on the part of the student may be avoided by sending a check for the amount due to the Cashier, who will return a receipt at once. All fees are payable to the Cashier, Press Building, Room 1.* Registration is not complete until all University bills are paid. Those who fail to meet this obligation within the first five days of the quarter are not regarded as members of the University. After the fifth day, to secure membership in the University the consent of the Dean and the payment of a fee of $5.00 for late registration will be required.

5. *General expenses.*—In the University Commons the service is *à la carte* and board will cost from $3.50 a week up. Board in clubs or private families can be obtained at $3.00 and upward.

THE LIBRARIES

The University Libraries consist of the General Library and departmental libraries for the several departments, and contain in the aggregate approximately 485,847 volumes. The General Library is open to Divinity students, and the Divinity School has its own departmental library, located in Haskell Oriental Museum. By the completion of the William Rainey Harper Memorial Library, the Divinity Library is brought into immediate physical connection with the General Library of the University and with the departmental libraries of History, Philosophy, and Modern Languages.

Among the collections owned by the University, and of special value to the Divinity School, are the library of Professor E. W. Hengstenberg, late professor in the University of Berlin; that of Dr. George B. Ide; the Colwell Library of the American Bible Union, collected by Dr. T. J. Conant while prosecuting his work of translating the Bible, and said to be one of the finest translation collections in existence; these constituted the original library of the Baptist Union Theological Seminary. Large accessions are also being constantly made by purchase

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of books, especially for the departmental libraries of the Divinity School. The leading theological journals of Europe and America are also accessible to students.

The Public Library of the city of Chicago, the Newberry Library, and the Crerar Library, with their large and valuable collections, are within reach of Divinity students.

HASKELL AND BARROWS LECTURES

The University of Chicago has also foundations for the Haskell Lectures on Comparative Religion, to be given at the University, and the Barrows Lectures on Christianity, to be given in various centers in Asia. The lecturers on the latter foundation have been: John Henry Barrows, D.D., late president of Oberlin University; Principal A. M. Fairbairn, of Mansfield College, Oxford; Charles Cuthbert Hall, late president of Union Theological Seminary, and the late Professor Charles Richmond Henderson, of the University of Chicago. The Haskell lecturers have been: Karl Budde, of the University of Marburg; Duncan B. Macdonald, of Hartford Theological Seminary; J. M. DeGroot, of the University of Berlin; Morris Jastrow, Jr., of the University of Pennsylvania; Franz Cumont, Ph.D., of Brussels; A. V. Williams Jackson, of Columbia University; Maurice Bloomfield, of Johns Hopkins University; Carl Bezold, Ph.D., of Heidelberg University; Dr. Christian Snouck Hurgronje, of the University of Leiden; Masaharu Anesaki, of the Imperial University of Tokyo.

CHRISTIAN SETTLEMENTS

Experience in religious work in cities has shown the necessity of close study of various elements of urban population and their needs. Only by personal acquaintance on terms of friendship can students acquire an insight into the spiritual life of people of various races, education, and economic interests. The Social Settlement has established its methods in the confidence of leaders in city churches. Students will find opportunity for gaining knowledge of such methods in the University of Chicago Settlement.

Attention of students is also called to the work outlined in the Departments of Practical Theology and Practical Sociology.

RELIGIOUS MEETINGS

Religious services.—The members of the Divinity School participate in the work and attend the services of the religious organizations of the University: Chapel, conducted by members of the faculties of the Divinity School and the Chicago Theological Seminary, Tuesday to Friday, 10:15 A.M.; Dormitory Prayer Meetings; Christian Union services, Sunday morning, and philanthropic work outside the University; the Y.M.C.A.; the Missionary Band; the Volunteer Band; the Evangelistic Band. Home and group prayer meetings are also held.

The University religious services on Sunday mornings and the many pulpits of the city afford opportunities to hear the leading preachers of the day.

SPECIAL REGULATIONS OF THE DIVINITY SCHOOL

Besides the general regulations of the University, the following special regulations apply to the Divinity School:

1. *Purpose.*—The purpose of the Divinity School is primarily and chiefly to fit men to serve the Christian church in: (1) the pastorate; (2) the missionary field; (3) Christian teaching; (4) other Christian work.

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2. *Constituency.*—The School is open without discrimination to students of all denominations. Women are admitted to the Divinity School upon equal terms with men.

3. *Credentials.*—A student entering the Divinity School is expected to present a ministerial license, or a certificate of ordination, or a statement from the church of which he is a member, or from a church official, approving his purpose to devote himself to the Christian ministry or other religious service.

4. *Admission, registration, and withdrawal* of students are subject to the general University regulations.

5. *Full and partial work of the student.*—Each student doing full work is expected to take three majors, or their equivalent, during each quarter. But—

1) A student may be permitted to take only two majors or their equivalent.

2) A student acting as pastor of a church is not permitted to take more than two majors a quarter, or their equivalent, except by permission of the Dean.

3) A student registered for work done for University credit may, with the consent of the Dean and the instructor, register in a course as a visitor without credit, but he may not apply for credit therefor after the completion of the course. A student registering for a course as a visitor may change to regular registration not later than the middle of the course, with the consent of the Dean and the instructor.

6. *Absences.*—

1) It is expected that students will treat an engagement with an instructor as any other engagement, and the ordinary rules of courtesy apply in case of inability to fill an appointment.

2) Should the number of the student's absences in any case reach 25 per cent of the whole number of class exercises in that course, he will receive credit for only half of the course. Should the number of absences in any case reach 50 per cent, no credit will be given for the course.

7. *Public appearance of students.*—The same regulations apply to students in the Divinity School as to those under the Faculties of Arts, Literature, and Science.

8. *Libraries.*—The libraries of the Divinity School, including those of Semitic Languages and Comparative Religion, occupy rooms in the Haskell Oriental Museum. They are administered as a reference library, but students may draw books for use outside the library under certain restrictions.

9. *Physical culture.*—Students of the Divinity School have the same privileges in the Gymnasium as other students of the University of Chicago. The gymnasium classes, locker-rooms, swimming-pool, and all the athletic privileges of the University are open to them, subject to the same requirements as apply to other members of the University. Basket-ball is a feature of Divinity School athletics. Two series, or schedules, are made up each season: one is the inter-theological seminary schedule of different seminaries in the city and the other the inter-class and inter-departmental series. In addition, students in the Divinity School take part in the inter-hall and all-University tennis tournaments and the inter-hall baseball tournaments.

Instruction is given in applying methods of play and athletics to work with young people.

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B. THE GRADUATE DIVINITY SCHOOL

SPECIAL REGULATIONS

Besides the general regulations of the University and the Divinity School, the following special regulations apply to the Graduate Divinity School:

1. *Admission.*—

1) Registration in the Graduate Divinity School is in general subject to the same requirements as apply to the Graduate School of Arts and Literature.

2) *Candidates for a degree.*—Before being formally admitted to candidacy for a degree in the Graduate Divinity School students are required to possess a Bachelor's degree equivalent to that given by the University of Chicago.

3) *Unclassified students.*—Unclassified students of sufficient maturity may be admitted to the courses of instruction without examination, provided that they can give evidence to the Dean and the particular instructor under whom they desire to study that they are prepared to undertake the proposed subject or subjects. In general such students must have had the practical equivalent of a college or seminary course.

4) *Students under other faculties.*—(*a*) All the departments of the Divinity School are open to graduate and Senior College students, the particular courses offered being determined by each department; (*b*) Senior College students intending to enter religious work as a vocation, who have completed 9 majors of Senior College work, are permitted to elect the 9 remaining majors in the Graduate Divinity School, and the majors so elected are credited toward the D.B. degree.

5) *Admission to advanced standing.*—Students coming from approved theological schools receive credit for work already done up to 18 majors. No advanced standing will be given for any courses except those given by theological faculties or those which would be credited by approved institutions for their graduate degrees.

6) *Medical missionaries.*—Special arrangements may be made in the case of graduate students preparing for work as medical missionaries.

2. *Degrees conferred.*—The Graduate Divinity School offers courses leading to the degrees of A.M., D.B., and Ph.D. The 18 vocational majors of the curriculum must be taken by all candidates for the D.B. and Ph.D. degrees.

THE CURRICULUM OF THE GRADUATE DIVINITY SCHOOL

The Divinity School endeavors to shape its curriculum in such a way as to prepare men for efficiency in religious leadership. In this leadership four chief fields are recognized as demanding specific preparation: the pastorate, foreign missions, religious education, social service. In addition to preparing for these four fields, the Graduate Divinity School prepares men to be specialists in the various fields of theological discipline. Its graduates who have thus specialized are now widely located in theological seminaries and colleges.

1. *Studies leading to the Ph.D. degree.*—The Divinity School offers a very large opportunity for specialized work in various departments. The courses to be taken by candidates for this degree will be determined by the department in which the students work, and such students are referred to the regulations governing the Ph.D. degree on p. 306.

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2. *The general plan of the curriculum leading to the D.B. degree.*—The general plan of the curriculum is determined by the *efficiency* demanded by the church of its leaders. This efficiency involves (1) broad training in methods of church work, (2) a knowledge of social and psychological principles, the truths of Christianity as set forth in the Bible, and the history of religious institutions and thought, and (3) individual specialization.

a) The curriculum thus includes eighteen prescribed "vocational majors" and a year of elective work under direction and advice calculated to prepare each individual student for the particular type of religious activity to which he purposes to devote himself. For this third year each department provides "sequence majors."

NOTE 1.—*Work in Public Speaking and Music.*—All candidates for the D.B. degree are required to take one hour a week during three quarters in Public Speaking and one hour a week during two quarters in Music. These courses do not give academic credit and should be taken in the first year of residence in the School.

NOTE 2.—*Observation and study of churches, institutions, settlements, etc.*—All students are required to give one session a week during one quarter to such visitation and study under the direction of the Department of Sociology in the Divinity School.

b) Election of field of work, department of study, and degree.—When the student has completed at least 9 prescribed majors, in which he gains a general knowledge of the field of theological study, he should determine, provisionally, in what department of the great field of Christian ministry he expects to do his future work, and what line of study he wishes to emphasize in preparing for such work. Accordingly, he submits to the Faculty for approval a written statement indicating—

1) His selection of one of the following fields of future work: (*a*) the pastorate, (*b*) religious education, (*c*) social service, (*d*) foreign missionary work.

2) One of the following departments as that of his principal subject (except in the case of those students planning to enter foreign missionary work): (*a*) Old Testament, (*b*) New Testament, (*c*) Church History, (*d*) Systematic Theology, (*e*) Practical Theology, (*f*) Sociology.

3) A professor in the department in which he has chosen his principal subject, as his adviser, under whose direction he does his subsequent work.

c) The student's work in his third year of residence includes: 3 sequence majors in his principal department; 6 majors under the direction of his adviser. These 6 majors need not be in any one department.

THE CURRICULUM

GROUP I. PREPARATION FOR THE PASTORATE

I. FIRST YEAR

Autumn Quarter	*Winter Quarter*	*Spring Quarter*
O.T. 80 Beginnings of Old Testament Literature and History	O.T. 81 History and Prophecy	O.T. 82 History and Judaism
C.H. 1 Beginnings of Christianity (Identical with N.T. 1)	C.H. 2 The Ancient Catholic Church	C.H. 3 The Period of the Reformation
S. 53 The Church and Society	P.T. 30 Principles of Religious Education	P.T. 20 The Organization of the Church
	Practice in Music	Practice in Music
Public Speaking	Public Speaking	Public Speaking

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II. SECOND YEAR

C.H. 4 The Development of Modern Christianity	N.T. 2 The Literature of the New Testament	N.T. 71 The Teaching of Jesus
N.T. 1 Beginnings of Christianity (Identical with C.H. 1)	S.T. 2 Systematic Theology II	S.T. 3 Systematic Theology III
S.T. 1 Systematic Theology I	P.T. 2 The Preparation and Delivery of Sermons (in co-operation with the Department of Public Speaking)	S. 54 Problems and Methods of Church Expansion or Denominational Development
P.T. 1 The Theory of Preaching		

ALTERNATIVE VOCATIONAL MAJORS

Three majors in Hebrew may be substituted for the prescribed majors in Old Testament.

NOTE 1.—Students choosing Comparative Religion as their principal department may have 3 of the "prescribed majors" designated by and regarded as belonging to that department.

NOTE 2.—Students may take Practical Theology 1 and 2 in their first year by exchange with Sociology 53 and Practical Theology 30.

III. THIRD YEAR

In his third year of residence the student will choose 3 sequence majors in a principal department and 6 other majors under his adviser.

GROUP II. PREPARATION FOR THE FOREIGN MISSION FIELD

Committee on Direction of Missionary Preparation

ERNEST D. BURTON, Chairman
FRED MERRIFIELD, Adviser

I. FIRST YEAR

Autumn Quarter	*Winter Quarter*	*Spring Quarter*
O.T. 80 Beginnings of Old Testament Literature and History	O.T. 81 History and Prophecy	O.T. 82 History and Judaism
C.H. 1 Beginnings of Christianity (Identical with N.T. 1)	C.H. 2 The Ancient Catholic Church	C.H. 3 The Period of the Reformation
S. 53 The Church and Society	P.T. 30 Principles of Religious Education	S. 54 Problems and Methods of Church Expansion or Denominational Development
Public Speaking	Practice in Music Public Speaking	Practice in Music Public Speaking

II. SECOND YEAR

C.H. 4 The Development of Modern Christianity	N.T. 2 The Literature of the New Testament	N.T. 71 The Teaching of Jesus
N.T. 1 Beginnings of Christianity (Identical with C.H. 1)	S.T. 2 Systematic Theology II	S.T. 3 Systematic Theology III
S.T. 1 Systematic Theology I	C.H. 63B Christian Missions at the Opening of the Twentieth Century	Course to be recommended by the group adviser
C.H. 63A Introduction to the History of Christian Missions		

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III. THIRD YEAR

In his third year the student will, in consultation with the Committee on Direction of Missionary Preparation, select 9 majors from the following list of courses:

1. Educational Psychology: Education 62.
2. Psychology of Religion: Psychology 19.
3. The Philosophy of Religion: Comparative Religion 10 or 11.
4. Outline History of Religion: Comparative Religion 1.
5. The Oriental: Sociology 47.
6. Isaiah: Old Testament Literature 60 or 61.
7. The Psalter: Old Testament Literature 64, or other course in Old Testament Interpretation.
8. The Greek of the New Testament: New Testament Literature 43.
9. The Gospel of Matthew: New Testament Literature 51, or other course in New Testament Interpretation.
10. Early Christianity and Contemporary Philosophies: New Testament Literature 11.
11. Early Christianity and Contemporary Religions: New Testament Literature 10.
12. Early Christianity and the Roman State: Church History 5.
13. Outline Course in Apologetics: Systematic Theology 9.
14. Theological Encyclopedia and Methodology: Systematic Theology 30.
15. Christian Missions in India: Church History 63C.
16. Christian Missions in China: Church History 63D, or other course in the History of Missions.
17. Sanskrit: Sanskrit 10, 11.
18. The Religions of India: Sanskrit 14.
19. Arabic: Old Testament Literature 200.
20. Mohammedanism: Old Testament Literature 230.
21. The Elements of International Law: Political Science 62.
22. Introduction to Phonetics: Romance Languages 41; Oriental Languages 130.
23. Experimental Phonetics: Oriental Languages 131.

The Board of Missionary Preparation, created by and representing the Foreign Missionary Societies of the United States and Canada, recommends students preparing for regular foreign missionary service to include in their course the following studies in substantially the following proportions and amounts: The historical and interpretative study of the Old Testament, 4 majors; the historical and interpretative study of the New Testament, 4 majors; church history, especially of early Christianity in relation to other religions, 4 majors; systematic theology, 4 majors; apologetics, 1 major; the effective presentation of the Christian message, 2 majors; the historical and comparative study of church organization and activity, 1 major; the history, philosophy, and psychology of religion, 2 majors; principles of religious education, 2 majors; the history of missions, especially the modern period, accompanied by reading in the biographies of missionaries, 2 majors; principles and methods of Christian missions, 1 major; phonetics and the scientific method of language study, 1 major. This recommendation of the Board can be approximately complied with by adding to the work prescribed for the first two years 9 majors selected from the foregoing list of twenty-three courses.

In accordance with the further counsel of the Board of Missionary Preparation that candidates for foreign missionary service should base their study of the Bible on the original languages, all such students are advised, in

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addition to the prescribed courses in the New Testament Literature (1, 2, and 71), to elect the course in New Testament Greek (New Testament Literature 41) and to follow it by at least one exegetical course in the New Testament, and if practicable, in addition to the required courses in the Old Testament (Old Testament Literature 80, 81, 82), to take two or three majors in Hebrew (Old Testament Literature 1, 2, 3) and to follow these by at least one exegetical course on the Old Testament. This can usually be accomplished by the addition of one Summer Quarter to the nine quarters required for the D.B. degree.

Students who are able to spend a longer period in preparation for service will find ample opportunity for election of courses adapted to their special needs.

Students whose collegiate course failed to include any of the following studies: (1) a modern language additional to the student's mother-tongue; (2) Greek; (3) general psychology; (4) educational psychology or principles of education; (5) general history or the history of civilization; (6) history of philosophy; (7) human society and the laws of its organization; (8) social and religious survey of the world; (9) economics; (10) some physical or biological science, are recommended by the Board of Missionary Preparation to take the omitted studies later. Opportunity to do this is afforded in accordance with section 3 of the conditions for the D.B. degree (p. 305).

Students preparing to be medical missionaries, who are eligible for matriculation in the Graduate Divinity School, may arrange to take the first two years of their medical preparation at the University. Such of these students as may need assistance in the way of tuition should write to the Dean of the Divinity School.

All candidates for the D.B. degree are required to take a general course in Missions, viz., Sociology 54, Problems and Methods of Church Expansion. They may elect additional courses (see Church History 63 A, B, C, Practical Sociology 100, 101, 102) in accordance with the general rule 3c (p. 300).

GROUP III. PREPARATION FOR RELIGIOUS EDUCATION

THEODORE G. SOARES, Adviser

I. FIRST YEAR

Autumn Quarter	*Winter Quarter*	*Spring Quarter*
O.T. 80 Beginnings of Old Testament Literature and History	O.T. 81 History and Prophecy	O.T. 82 History and Judaism
C.H. 1 Beginnings of Christianity (Identical with N.T. 1)	C.H. 2 The Ancient Catholic Church	C.H. 3 The Period of the Reformation
S. 53 The Church and Society	P.T. 30 Principles of Religious Education	S. 54 Problems and Methods of Church Expansion or Denominational Development
Public Speaking	Practice in Music Public Speaking	Practice in Music Public Speaking

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II. SECOND YEAR

C.H. 4 The Development of Modern Christianity
N.T. 1 Beginnings of Christianity (Identical with C.H. 1)
S.T. 1 Systematic Theology I
Ed. 87 Principles of Method for High-School Teachers

N.T. 2 The Literature of the New Testament
S.T. 2 Systematic Theology II
P.T. 21 The Church and the Young People

N.T. 71 The Teaching of Jesus
S.T. 3 Systematic Theology III
Ed. 80 Advanced Educational Psychology

III. THIRD YEAR

The student will take courses under the direction of his adviser from those listed in the Department of Practical Theology as approved in the field of Religious Education. The following are particularly important: Religion and Play; The Organization of Religious Education; The Materials of Religious Education; Psychology of Religion; Social Psychology; Moral Education; Advanced Child-Study; Genetic Psychology. As far as possible the student will be given practice work in Sunday schools and other agencies of religious education.

GROUP IV. PREPARATION FOR SOCIAL SERVICE

ALBION W. SMALL, Adviser

I. FIRST YEAR

Autumn Quarter	*Winter Quarter*	*Spring Quarter*
O.T. 80 Beginnings of Old Testament Literature and History	O.T. 81 History and Prophecy	O.T. 82 History and Judaism
C.H. 1 Beginnings of Christianity (Identical with N.T. 1)	C.H. 2 The Ancient Catholic Church	C.H. 3 The Period of the Reformation
S. 53 The Church and Society	P.T. 30 Principles of Religious Education	S. 54 Problems and Methods of Church Expansion or Denominational Development
Public Speaking	Practice in Music Public Speaking	Practice in Music Public Speaking

II. SECOND YEAR

C.H. 4 The Development of Modern Christianity
N.T. 1 Beginnings of Christianity (Identical with C.H. 1)
S.T. 1 Systematic Theology I
S. 5 The Family

N.T. 2 The Literature of the New Testament
S.T. 2 Systematic Theology II
S. 52 Evolution of Philanthropy

N.T. 71 The Teaching of Jesus
S.T. 3 Systematic Theology III
S. 58 Organization and Administration of Charities

III. THIRD YEAR

The student will take courses under the direction of the Department of Sociology in such departments of the University as may particularly prepare him for the field of social service which he plans to enter. The more important of such fields are in connection with charity organizations, settlements, institutional churches, the Young Men's Christian Association, reformatories, and recreative centers.

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DEGREES IN THE GRADUATE DIVINITY SCHOOL

I. MASTER OF ARTS

Candidates for the degree of A.M. are recommended by the Divinity Faculty to the Faculties of the Graduate School of Arts, Literature, and Science, and are subject to the general regulations governing the granting of the degree. See p. 92.

The "rational plan" to which candidates for the degree of A.M. must conform in the Divinity School is either (1) that of two sequences of prescribed courses in (*a*) Old Testament and New Testament, (*b*) New Testament and Church History, (*c*) New Testament and Systematic Theology, (*d*) Church History and Systematic Theology, together with two cognate courses, or (2) departmental.

II. BACHELOR OF DIVINITY

1) Twenty-seven graduate majors are required for the degree of D.B. Students will not be formally admitted to candidacy until they possess a Bachelor's degree equivalent to that given by the University of Chicago (but see B, 1 [4], p. 299) and in general have fulfilled the requirement stated under IV (The Curriculum) above.

Of the 27 majors thus required not less than 18 must have been pursued in residence at a theological school of high standing and the remainder in accordance with the general regulations for non-resident work. Of the total 27 not less than 9 must have been pursued in residence at the University.

2) All candidates for the D.B. degree are required to take at least one seminar course.

3) With the approval of the Dean, a student in the Divinity School may pursue studies in any department of the University. But no student may do more than one-third of his work in any given quarter in non-Divinity courses; provided, however, (1) that a student who has been accepted as a candidate for the Ph.D. degree may pursue such courses in the department of the Graduate School closely related to that department of the Divinity School in which his principal work is done as the head of that department may, in a written statement to the Dean, recommend and accept as done in the principal department; and (2) that students who have completed the 18 prescribed majors and have been recognized as selecting Religious Education or Practical Sociology as their principal department may elect such non-Divinity courses as are specified by those departments as required for a degree.

NOTE.—All Graduate courses offered by members of the Divinity Conference are for the purposes of this regulation reckoned as Divinity courses. These courses are printed in the quarterly *Time Schedules* under the head "Courses Offered by the Faculty of the Divinity School."

4) A student who has fulfilled the requirements for the degree of D.B. may receive the degree at the Convocation at which he receives another degree from the University without further conditions of residence or interval of time; provided that this shall not be construed as modifying the existing regulations governing the granting of degrees other than D.B. or the crediting of the same work for two degrees.

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5) Graduates of other theological schools must, in order to receive the degree of D.B. from this University, after matriculation select a principal subject and continue in residence not less than three quarters. Such students must (*a*) take such of the prescribed majors as they have not already covered, and (*b*) accomplish the remainder of a year's work (9 majors) under the direction of the department in which the principal subject lies.

6) *Admission to candidacy.*—Blanks for application may be obtained in the office of the Dean. Students must be admitted to candidacy at least two months before their final examinations.

7) *Thesis.*—The candidate for the degree of D.B. is required to prepare a thesis upon some subject in a Divinity department. The subject must be submitted for approval, to the department to which it pertains, not later than the quarter preceding that in which the student is admitted to candidacy. The thesis itself must be submitted in written form at least three weeks before the date of the final examination, and, after final criticism, in typewritten form, upon the thesis paper prescribed by the University, at or before the final examination. Any exception to the foregoing rules of time limit will be permitted only on recommendation of the department concerned. The student is permitted to offer in a developed form a thesis already presented in his regular class work. Accepted theses become the property of the University.

The degree will be recommended only after two bound, printed or typewritten, copies of the thesis of the candidate have been deposited with the Librarian of the University.

8) *Final examination.*—The student must present for examination at least 9 majors, approved by his principal department, 6 of which must be within that department. These examinations are oral, subject to regulations which may be found on file in the office of the Dean of the Divinity School.

9) *Non-resident work.*—After being admitted, the student will be permitted to substitute for resident work non-resident work, provided that: (1) The non-resident work to be offered shall be performed under the direction of a professor or instructor of the University Extension Division of the University, and shall be a full equivalent in amount and character of that for which it is substituted. (2) A satisfactory examination shall be passed upon the same at the University. (3) Not more than 9 majors of non-resident work may be offered for the degree of D.B. and in no case will that degree be given unless the candidate has been in residence in the Graduate Divinity School at least three quarters and has completed at least 9 resident majors.

III. DOCTOR OF PHILOSOPHY

1) In order to be recommended by the Divinity Faculty to the Faculties of the Graduate Schools of Arts, Literature, and Science, the candidate must have completed a Bachelor's course equivalent to that required for the Bachelor's degree in the University of Chicago, and in all other respects have met the requirements for the degree as formulated by the Graduate Faculties of Arts, Literature, and Science.

2) He must have completed 18 majors in theological study, distributed as stated in "The Curriculum" (pp. 299–300).

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3) He must have a reading knowledge of two languages other than English (to be designated by the principal department and approved by the Dean) containing important critical literature of his subject. Examinations in these languages must be passed nine months before the candidate is admitted to examination in his principal subject.

4) Having made the elections indicated on pp. 299–300, which in this case must include also the selection of a secondary department (which may be either in the Divinity School or in the Graduate Schools of Arts, Literature, and Science), and having passed examinations in French and German, or two modern languages useful to the preparation of his thesis, and having been by vote of the Divinity Faculty recommended to the Graduate Faculties of Arts, Literature, and Science at least nine months before his final examinations, and by that Faculty accepted as a candidate for the degree of Ph.D., he must continue in residence till the total period has amounted to not less than twelve quarters, and until he has accomplished work equivalent to at least 36 majors. The amount of work required in his principal and secondary departments will be determined by such departments, subject to the general requirements of the Ph.D. degree as fixed by the Graduate Faculties of Arts, Literature, and Science.

Graduates of other theological schools receive credit for work done in those schools to the extent of 18 majors, but must in all cases know the ground of the 18 prescribed majors before being recommended to candidacy.

Of the four years thus required as a minimum for the degree of Ph.D., not less than three must have been spent in residence at a theological school of recognized high standing and the last two at the University of Chicago.

REMARKS.—(1) The candidate for the degree of Ph.D. is permitted to take the degree of A.M. or D.B. when he shall have met the requirements of such degrees. (2) The student who has taken the degree of A.M. or D.B., and who is thereupon accepted as a candidate for the degree of Ph.D., may, with the consent of the departments, offer toward the latter degree the work he has already done in the departments which he chooses for his principal and secondary subjects.

5) *Thesis and final examination.*—Each student is required to prepare a thesis upon some question connected with his principal subject and to pass a final examination. For further regulations respecting these see pp. 94–95.

REMARK.—The degree of *Doctor of Philosophy* is given, not on the basis of the completion of a certain amount of time spent upon a specified program, but as the recognition and mark of high attainments and ability in the candidate's chosen province, shown, first, by the production of a thesis evincing the power of independent investigation and forming an actual contribution to existing knowledge; and, secondly, by the passing of examinations covering the general field of the candidate's subjects, with more minuteness in the case of the principal subject, with less minuteness in the case of the secondary subject or subjects.

DEGREES IN THE GRADUATE SCHOOL OF ARTS AND LITERATURE

Several departments of instruction being common to the Divinity School and to the Graduate School of Arts and Literature, others in the latter school being closely related to the work of the Divinity School, and all higher non-professional degrees being conferred on the recommendation of the Faculty of the Graduate School of Arts and Literature, the regulations concerning such higher degrees conferred by the Faculty have been inserted on pp. 92–96 of this *Register*.

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C. THE ENGLISH THEOLOGICAL SEMINARY

Besides the general regulations of the University and the regulations of the Divinity School, the following information and special regulations apply to the English Theological Seminary.

GENERAL INFORMATION

1. The English Theological Seminary is open to pastors of churches, to approved students for the ministry, and to mature men and women who, with the commendation of their churches, propose to devote their lives to religious work.

2. In view of the short time of resident study, the Education Society does not undertake to render financial aid. Assistance will be given in securing such remunerative service as may be available, though the University authorities are strongly of the opinion that the student ought to devote his entire time and strength to the work of the Seminary.

3. The expenses for a summer's residence are an incidental fee of $2.50 a quarter, a library fee of $2.50 a quarter, and a matriculation fee of $5.00. The Divinity Halls (dormitories) accommodate 140 students. The rooms are furnished and are rented at from $8.00 to $12.00 a quarter. Students may secure board in the University Commons for $3.50 a week and upward and in private families for $3.00 a week and upward.

4. The expense for the non-resident correspondence courses is $3.00 for each course.

REGULATIONS

1. *Purposes.*—The English Theological Seminary is intended to meet the needs of students who have not secured the advantages of a collegiate education. Pastors who are neither college nor divinity-school graduates, approved candidates for the ministry whose scholastic training is deficient, and men and women who, with the commendation of their churches, propose to devote their lives to religious work are admitted to the English Theological Seminary.

2. Resident courses are offered in the Summer Quarter only.

3. Non-resident courses, continuing those of the Summer Quarter, are offered for the Autumn, Winter, and Spring Quarters. These are so arranged as to supplement the resident work, and in such a manner that the student is able to complete, during the thirty-six weeks of non-residence, an amount of work equivalent to that accomplished in the twelve weeks of residence. Examinations upon the non-resident work are offered at the University at the beginning of the Summer Quarter. (Special circulars explaining the correspondence-study work will be sent on application.)

4. The curriculum of the Seminary thus includes four years of continuous work, namely, four Summer Quarters in residence and twelve quarters in absence.

5. Of the 24 majors thus required, 6 may be taken in subjects preparatory to the theological curriculum; namely, Rhetoric, Logic, Psychology, History, Evidences of Christianity, and Ethics.

6. A student may prolong his course either by residing at the University one term during any particular Summer Quarter, instead of the whole quarter, or by taking a smaller number of subjects while absent from the University.

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7. A certificate of graduation in English will be granted to each student who (1) completes 24 majors according to the conditions named above, not more than one-half of them being taken in absence; (2) presents a satisfactory thesis upon a subject approved by the professor to whose department it pertains; the subject must be selected and approved at least six months before the date of the final examination; and the thesis itself must be submitted and approved six weeks before the date of final examination; and when approved it will become the property of the University; (3) passes a satisfactory final examination in addition to the regular course examinations.

Courses of instruction in the English Theological Seminary are given on pp. 327–28.

D. COURSES OF INSTRUCTION

THE DEPARTMENT OF OLD TESTAMENT LITERATURE AND INTERPRETATION

THE DEPARTMENT OF NEW TESTAMENT AND EARLY CHRISTIAN LITERATURE

For these Departments see respectively the Department of Oriental Languages and Literatures (p. 163) and the Department of New Testament and Early Christian Literature (p. 172).

THE DEPARTMENT OF SYSTEMATIC THEOLOGY

OFFICERS OF INSTRUCTION

SHAILER MATHEWS, A.M., D.D., LL.D., Professor of Historical and Comparative Theology.

GERALD BIRNEY SMITH, A.M., D.D., Professor of Christian Theology.

GEORGE NYE BOARDMAN, D.D., LL.D., Professor Emeritus of Systematic Theology, Chicago Theological Seminary.

CLARENCE AUGUSTINE BECKWITH, D.D., Illinois Professor of Systematic Theology, Chicago Theological Seminary.

HERBERT ALDEN YOUTZ, PH.D., Professor of Christian Theology, Auburn Theological Seminary (First Term, Summer, 1917).

FELLOW, 1917–18

ALBERT EUSTACE HAYDON, TH.B., D.B., A.M.

INTRODUCTORY

The aim of the Department of Systematic Theology is to set forth and to vindicate the content of the Christian faith and to show the vital relation between belief and the religious life. In securing this end a constructive interpretation of the great movements of thought in the history of Christianity is emphasized, and the present problems of theology are discussed in their genetic relationship with the development of the Christian religion. The biblical interpretations of religion and the history of doctrine are thus indispensable presuppositions to the

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constructive task of theology. The instruction in the Department has both a scientific and a religious end, the former to promote the accurate understanding of Christianity in its doctrinal aspect and the latter to train ministers to interpret the great convictions of the Christian church.

REQUIREMENTS FOR DEGREES OF A.M., D.B., AND PH.D.

1. The degree of A.M. is given for courses in Systematic Theology in accordance with the regulations on page 305 of this volume. Candidates offering courses in this Department for this degree must also have covered as a prerequisite the following courses or their equivalents: Philosophy 2 (Elementary Ethics), Philosophy 3 (Introduction to Philosophy), Psychology 1 (Introductory Psychology), Sociology 1 (Introduction to the Study of Society). A good understanding of general history is also required.

2. As prerequisite to acceptance as a candidate for degree of D.B. and Ph.D. eighteen majors of theological study must have been completed, three of which shall have been in the Department of Systematic Theology.

3. The three prescribed courses in Systematic Theology are: (1) Systematic Theology I, (2) Systematic Theology II, (3) Systematic Theology III. These courses are so arranged as to give the student a consecutive training in Christian doctrine.

The sequence courses are 4, 9, 13, 14, 15, 51, 52, 53.

4. In addition to the general regulations the candidate for the degree of Ph.D. must meet the following prerequisites: (*a*) A general knowledge of the history of philosophy; (*b*) a general acquaintance with the history and the psychology of religion.

The degree will be granted only to those who, in addition to Systematic Theology 1, 2, and 3, have taken such courses as may be prescribed by the Department of Systematic Theology. The precise number of majors cannot be stated in advance, but it must be at least twelve such majors. The degree is granted to those who give evidence of high scholarly attainments and ability to conduct independent theological research.

COURSES OF INSTRUCTION

PRESCRIBED COURSES

(For particulars as to these courses see the full list below)

1. Systematic Theology I.—Mj. Summer, 1916, 1917; Autumn, 1916, 1917.

2. Systematic Theology II.—Mj. Winter, 1917, 1918.

3. Systematic Theology III.—Mj. Spring, 1917, 1918.

I. HISTORICAL THEOLOGY

GROUP I. GENERAL

4. Outline of the History of Doctrine.—Mj. Spring, 1918, PROFESSOR MATHEWS.

5. Outline Course in Comparative Theology.—Mj. Winter, 1917, PROFESSOR MATHEWS.

S5. Comparative Christian Beliefs of Today.—Mj. PROFESSOR BECKWITH.

6. Types of Contemporary Theology.—Mj. Autumn, 1918, PROFESSOR SMITH.

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GROUP II. SPECIAL

10. Christian Origins: The Formative Concepts of Christian Theology.—I. M. PROFESSOR MATHEWS.

11. Christian Origins: The Formative Concepts of Christian Theology.—II. M. PROFESSOR MATHEWS.

13. The History of Dogma I.—The Patristic Period. Mj. Autumn, 1916, 1918, PROFESSOR MATHEWS.

14. The History of Dogma II.—The Scholastic Period. Mj. Winter, 1917, 1919, PROFESSOR MATHEWS.

15. The History of Dogma III.—The Reformation and Modern Period. Mj. Spring, 1917, 1919, PROFESSOR MATHEWS.

S13. History of Christian Doctrine I.—The Patristic Period. Mj. Autumn, 1917, PROFESSOR BECKWITH.

S14. History of Christian Doctrine II.—The Scholastic Period. Mj. Winter, 1918, PROFESSOR BECKWITH.

S15. History of Christian Doctrine III.—The Reformation and Modern Period. Mj. Spring, 1917, PROFESSOR BECKWITH.

S16. The Theology of Schleiermacher.—Mj. Autumn, 1916, PROFESSOR BECKWITH (Chicago Theological Seminary).

S17. History of American Theology.—Mj. Winter, 1917, PROFESSOR BECKWITH.

20. The History of the Idea of God.—M. Summer, 1916, 1918, Second Term, PROFESSOR MATHEWS.

25. The History of the Doctrine of Salvation.—Mj. PROFESSOR MATHEWS.

II. CONSTRUCTIVE THEOLOGY

GROUP I. GENERAL

1. Systematic Theology I.—Mj. Summer, 1916, 1917, PROFESSORS MATHEWS AND SMITH; Autumn, 1916, PROFESSOR SMITH; Autumn, 1917, PROFESSOR MATHEWS.

2. Systematic Theology II.—Mj. Winter, 1917, PROFESSOR SMITH; Winter, 1918, PROFESSOR MATHEWS.

3. Systematic Theology III.—Mj. Spring, 1917, PROFESSOR MATHEWS; Spring, 1918, PROFESSOR SMITH.

Courses **S1, S2,** and **S3,** given by PROFESSOR BECKWITH, in the Chicago Theological Seminary, are equivalents of these courses.

GROUP II. SPECIAL

30. Theological Encyclopedia and Methodology.—Mj. Autumn, 1917, PROFESSOR SMITH.

33. The Christian View of Man and Sin.—M. Summer, Second Term, 1917, PROFESSOR SMITH.

34. The Person and Work of Christ.—Mj. PROFESSOR SMITH.

35. The Christian Doctrine of Salvation.—M. PROFESSOR SMITH.

37. The Doctrine of the Kingdom of God.—M. Summer, 1917, First Term, PROFESSOR MATHEWS.

38. The Social Aspect of Christian Doctrine.—Mj. Winter, 1918, PROFESSOR MATHEWS.

III. CHRISTIAN ETHICS

GROUP I. GENERAL

8. Christian Ethics.—M. Summer, 1916, 1918, Second Term, PROFESSOR SMITH.

GROUP II. SPECIAL

41. History of Christian Ethics.—Mj. Spring, 1917, PROFESSOR SMITH.

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IV. APOLOGETICS

GROUP I. GENERAL

9. Outline Course in Apologetics.—Mj. Spring, 1917, PROFESSOR SMITH.

S9. Apologetics: The Chief Problems and Types of the Defenses of Christianity.—Mj. PROFESSOR BECKWITH.

GROUP II. SPECIAL

39. The Christian Doctrine of a Future Life.—M. First Term, Summer, 1917, PROFESSOR YOUTZ (Auburn Theological Seminary).

51. Christian Doctrine in Relation to Modern Science.—Mj. Autumn, 1917, 1919, PROFESSOR SMITH.

52. Christian Doctrine in Relation to Modern Philosophical Ideals.—Mj. Winter, 1918, 1919, PROFESSOR SMITH.

52A. Christian Doctrine in Relation to Modern Thought.—M. First Term, Summer, 1917, PROFESSER YOUTZ (Auburn Theological Seminary).

S52. The Christian Ideal as Related to the Ideals of Philosophical Ethics.—Mj. Spring, 1917, PROFESSOR BECKWITH.

53. Christian Ethics in Relation to Modern Social and Ethical Movements.—Mj. Spring, 1918, 1919, PROFESSOR SMITH.

V. SEMINARS

61A. The History of the Doctrine of Immortality.—Mj. Autumn, 1917, PROFESSOR MATHEWS.

62C. The Doctrine of Assurance in Protestant Theology.—Mj. Winter, 1918, PROFESSOR SMITH.

62D. The Doctrine of the Trinity.—Mj. Autumn, 1916, PROFESSOR MATHEWS.

62E. The History of the Doctrine of the Atonement.—Mj. Spring, 1918, PROFESSOR MATHEWS.

63A. The Use of Scripture in Modern Theology.—Mj. Winter, 1917, PROFESSOR SMITH.

63C. The Problem of the Supernatural.—Mj. Winter, 1916, PROFESSOR SMITH.

65. Fundamental Problems in Modern Theology.—Research for advanced students. Mj. PROFESSOR SMITH.

COURSES GIVEN IN THE DIVINITY HOUSES

THE DISCIPLES' DIVINITY HOUSE

2. The Development of Thought among the Disciples.—Mj. Spring, 1917, Winter, 1918, ASSISTANT PROFESSOR SHARPE.

5. Problems of Doctrinal Restatement.—Mj. Summer, 1917, ASSISTANT PROFESSOR SHARPE.

THE RYDER (UNIVERSALIST) DIVINITY HOUSE

1. History of Doctrine among the Universalists.—Mj. Winter and Spring, 1916–17.

4. The Liberal Movement in Modern Theology.—Mj. Autumn, Winter, and Spring, 1916–17.

COGNATE COURSES IN OTHER DEPARTMENTS

NOTE.—Other departments are indicated by giving the name of the department before the number of the course.

Philosophy 6. Movements of Thought in the Nineteenth Century.—Mj. Summer, 1916, PROFESSORS TUFTS AND MEAD; Spring, ASSISTANT PROFESSOR AMES.

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Philosophy 40. Evolution of Morality.—Mj. Autumn, 1916, PROFESSOR TUFTS.

Philosophy 61. Metaphysics of Religion.—Mj. ASSISTANT PROFESSOR AMES.

Philosophy 62. Psychology of Religious Groups.—M. ASSISTANT PROFESSOR AMES.

Sociology 18. The Ethics of Sociology.—Mj. PROFESSOR SMALL.

Comparative Religion 1. Outline History of Religions.—Mj. PROFESSOR FOSTER.

Comparative Religion 4. Religion of Primitive Peoples.—Mj. PROFESSOR FOSTER.

Comparative Religion 8. Epistemology of Religion.—The Knowledge Problem. Mj. Spring, 1917, PROFESSOR FOSTER.

Comparative Religion 9. Metaphysics of Religion.—Mj. PROFESSOR FOSTER.

Comparative Religion 13. Philosophy of Religion from Kant to Hegel.—Mj. PROFESSOR FOSTER.

THE DEPARTMENT OF CHURCH HISTORY

OFFICERS OF INSTRUCTION

ANDREW CUNNINGHAM MCLAUGHLIN, A.M., LL.B., LL.D., Professor of History and Head of the Department of Church History.

SHIRLEY JACKSON CASE, D.B., PH.D., D.D., Professor of Early Church History and New Testament Interpretation.

ALONZO KETCHAM PARKER, D.D., Professorial Lecturer Emeritus on Modern Missions.

JOHN WILDMAN MONCRIEF, A.M., D.D., Associate Professor of Church History.

ERRETT GATES, PH.D., Instructor in Church History; Assistant Professor of Church History in the Disciples' Divinity House.

PETER GEORGE MODE, A.M., PH.D., Instructor in Church History.

WILLIAM EDWARD DODD, PH.D., Professor of American History.

JAMES WESTFALL THOMPSON, PH.D., Professor of European History.

FRANCIS ALBERT CHRISTIE, A.B., D.D., Professor of Church History, Meadville Theological School (Summer, 1917).

HENRY HAMMERSLEY WALKER, PH.D., Sweetzer and Michigan Professor of Ecclesiastical History, Chicago Theological Seminary.

INTRODUCTORY

1. *General plan of the program.*—The program in Church History includes four classes of courses: *First*, four courses which are intended to be introductory to more advanced work and also to give a general view of the field; while the whole subject is covered in a very general way, those periods are emphasized which are of special interest and importance for the student preparing for active work in the ministry, that is, periods which, because they were creative or transitional, are of most value for an understanding of the development of the church. *Second*, special courses covering more limited chronological fields or devoted to the study of particular movements or to particular countries; these courses are intended for the students taking special interest in Church History and desiring fuller information than is offered by the introductory courses; they are also

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designed for those definitely specializing in the subject. *Third*, more special and more advanced courses, in which there is distinct effort to prepare students for scholarly work and research. *Fourth*, courses in missions and the whole history of the expansion of Christianity.

2. *Requirements for degrees.*—(*a*) The candidate is subject to the general regulations of the Divinity School respecting degrees.

b) Before being accepted as a candidate for any degree the student must have completed twelve majors of theological study, four of which must have been taken in Church History. Courses 1, 2, 3, and 4 are prescribed.

Any course offered by the Department may be taken as a sequence course except 1, 2, 3, and 4.

c) The general requirements for the Bachelor's, the Master's, and the Doctor's degree in Church History are stated on pp. 305–07.

d) For the Master's degree with Church History as the principal subject, and for the Doctor's degree with Church History as the secondary subject, the candidate must be familiar with the most significant movements in the entire history of the church, and he will be so examined as to test his knowledge of these main events and his grasp of the more special periods treated in the courses which he has selected under the advice of the Department.

e) For the Doctor's degree with Church History as principal subject the candidate must be familiar with the general field of Church History, but the stress of the examination will be laid on the period in which he has written his thesis. He will be expected to have fuller knowledge of the whole field than would qualify him for the Master's degree and must in addition be prepared for a searching examination in one general division of the whole subject. The degree will be given, not on the basis of a certain number of majors completed, but in recognition of the candidate's high attainments and ability in his chosen province.

3. *Church History and History.*—Church History is a special field of history of great general interest and of peculiar professional significance to theological students. But the field of history is a wide one, and therefore students making a special study of Church History will often find it helpful to choose courses in the Departments of Arts, Literature, and Science, and especially certain courses in the Graduate Schools. These courses, while not strictly limited to the field of Church History, give information and training of marked value to the specialist in Church History. The relations between the Departments of general History and of Church History are such that, under proper restriction, students doing work in Church History may be allowed to carry such courses in the general History department as appear to be suited to their special needs.

COURSES OF INSTRUCTION

PRESCRIBED COURSES

(For particulars as to these courses see the full list below)

A. IN THE DIVINITY SCHOOL

1. Beginnings of Christianity.—Autumn, 1917, 1918.

2. The Ancient Catholic Church.—Summer, 1917; Winter, 1918.

3. The Period of the Reformation.—Spring, 1918.

4. The Development of Modern Christianity.—Spring, Autumn, 1917; Autumn, 1918.

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B. IN THE CHICAGO THEOLOGICAL SEMINARY

S1. History of the Church from the Close of the Apostolic Age to Rise of the Papacy.—Autumn, 1917.

S2. The Period of the Reformation from the Rise of Humanism to That of the Enlightenment, 1300–1687.—Spring, 1918.

S9. The Church from the Rise of the Papacy to Humanism.—Winter, 1918.

I. GENERAL INTRODUCTION (100–1900 A.D.)

1. Beginnings of Christianity.—Mj. Autumn, 1917, 1918, Summer, 1918, PROFESSOR CASE. (Identical with New Testament 1.)

S1. History of the Church from the Apostolic Age to Rise of the Papacy.—Mj. Autumn, 1917, PROFESSOR WALKER (Chicago Theological Seminary).

2. The Ancient Catholic Church.—Mj. Summer, 1917, ASSOCIATE PROFESSOR MONCRIEF; Winter, 1918, PROFESSOR CASE.

3. The Period of the Reformation, 1500–1648.—Mj. Summer, 1917, PROFESSOR CHRISTIE (Meadville Theological School); Spring, 1918, DR. MODE.

S2. The Period of the Reformation from the Rise of Humanism to That of the Enlightenment (*ca.* 1300–1689).—Mj. Spring, 1917, PROFESSOR WALKER (Chicago Theological Seminary).

4. The Development of Modern Christianity.—Mj. Spring, 1917, Autumn, 1917, 1918, DR. MODE.

S3. History of the Church in the Modern Period.—Mj. Autumn, 1917, PROFESSOR WALKER (Chicago Theological Seminary).

II AND III. THE CHURCH DURING THE IMPERIAL AND MEDIAEVAL PERIODS

5. Early Christianity and the Roman State.—Mj. Autumn, 1917, PROFESSOR CASE. (Identical with New Testament 9.)

6. Early Christianity and Contemporary Religions.—Mj. Winter, 1918, PROFESSOR CASE. (Identical with New Testament 10.)

S6. Christian Literature of the Second and Third Centuries.—Mj. Winter, 1918, PROFESSOR WALKER (Chicago Theological Seminary).

7. Early Christianity and Contemporary Philosophies.—Mj. Summer, 1917, PROFESSOR CASE. (Identical with New Testament 11.)

8. Early Christian Institutions.—Mj. Autumn, 1918, PROFESSOR CASE.

S9. History of the Church from the Rise of the Papacy to That of Humanism (*ca.* 450–1300).—Mj. Winter, 1918, PROFESSOR WALKER (Chicago Theological Seminary).

IV. CHURCH DURING THE REFORMATION AND IN MODERN TIMES

16. Pre-Reformation Movements: The Crusades.—Mj. Spring, 1917, Winter, 1918, DR. MODE.

24. Roman Catholicism since the Counter-Reformation.—Mj. DR. GATES.

25. History of the Conflict between Science and Religion.—Mj. Spring, 1917, DR. GATES.

26. History of Civil and Religious Liberty.—Mj. DR. GATES.

M28. The Church in the Nineteenth Century.—2M. Summer, 1917, PROFESSOR CHRISTIE (Meadville Theological School).

V. ENGLISH CHURCH HISTORY

34. England under the Tudors and Stuarts.—Mj. Winter, 1917, Autumn, 1917, ASSOCIATE PROFESSOR MONCRIEF.

36. England in the Eighteenth and Nineteenth Centuries.—Mj. Winter, 1918, ASSOCIATE PROFESSOR MONCRIEF.

S39. Congregational History and Polity.—Mj. Spring, 1917, 1918, PROFESSOR WALKER AND DR. BARTON (Chicago Theological Seminary).

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VI. AMERICAN CHURCH HISTORY 1492–1912 A.D.

38A. American Christianity: The Colonial Period.—Mj. Autumn, 1918, DR. MODE.

38B. American Christianity: The National Period.—Mj. Winter, 1917, 1918, DR. MODE.

48. Seminar: The Break-up of the Great Churches, 1840–1860.—Mj. PROFESSOR DODD.

49. Church and State in the Old South.—Mj. PROFESSOR DODD.

50. Seminar: The Expansion of the Church in the Frontier States.—Mj. Spring, 1918, DR. MODE.

VII. THE HISTORY OF MISSIONS

63A. Introduction to the History of Christian Missions.—Mj. Winter, Summer, Autumn, 1917, ASSOCIATE PROFESSOR MONCRIEF.

63B. Christian Missions at the Opening of the Twentieth Century.—Mj. Winter, 1918, ASSOCIATE PROFESSOR MONCRIEF.

63C. Christian Missions in India: The Beginnings of Christianity.—Mj. ASSOCIATE PROFESSOR MONCRIEF.

63D. Christian Missions in China.—Mj. ASSOCIATE PROFESSOR MONCRIEF.

NOTE.—For further courses in the field of Missions see p. 324.

VIII. HISTORICAL BIBLIOGRAPHY AND CRITICISM

65. Historiography and Historical Bibliography.—Mj. Autumn, 1917, PROFESSOR THOMPSON.

66. Historical Bibliography and Criticism.—Mj. Winter, 1918, PROFESSOR THOMPSON.

IX. COGNATE COURSES ACCEPTED FOR CREDIT IN EARLY CHURCH HISTORY

New Testament 5. Life of Jesus.—Mj. Spring, 1917, PROFESSOR CASE.

New Testament 16. The New Testament in the Second Century.—Mj. Autumn, 1917, PROFESSOR GOODSPEED.

New Testament 18. History of New Testament Interpretation and Criticism.—Mj. Winter, 1918, PROFESSOR VOTAW.

New Testament 36. Christian Literature to Eusebius.—Mj. Summer, 1918, PROFESSOR GOODSPEED.

New Testament 39. The Apostolic Fathers.—M. First Term, Spring, 1917, PROFESSOR GOODSPEED.

New Testament 40. The Apologists.—M. Second Term, Spring, 1917, PROFESSOR GOODSPEED.

THE DEPARTMENT OF PRACTICAL THEOLOGY

OFFICERS OF INSTRUCTION

THEODORE GERALD SOARES, PH.D., D.D., Professor of Homiletics and Religious Education and Head of the Department of Practical Theology.

GALUSHA ANDERSON, S.T.D., LL.D., Professor Emeritus of Homiletics.

ALLAN HOBEN, PH.D., Associate Professor of Homiletics and Pastoral Duties.

FRANK WAKELEY GUNSAULUS, A.M., D.D., Professorial Lecturer on Practical Theology.

ARTHUR S. HOYT, D.D., Professor of Homiletics, Auburn Theological Seminary (Summer, 1917).

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OZORA STEARNS DAVIS, PH.D., D.D., Professor of Practical Theology, Chicago Theological Seminary.

GILES BUCKINGHAM WILLCOX, D.D., Stone Professor Emeritus of Practical Theology, Chicago Theological Seminary.

FRANK GIBSON WARD, PH.D., Professor of Religious Education, Chicago Theological Seminary.

HENRY AUGUSTINE SMITH, A.M., Associate Professor of Practical Theology, Chicago Theological Seminary.

WILLIAM ELIEZUR BARTON, D.D., Lecturer on Ecclesiastical Law, Chicago Theological Seminary.

INSTRUCTORS IN OTHER DEPARTMENTS OFFERING COURSES CONTRIBUTORY TO RELIGIOUS EDUCATION

JAMES HAYDEN TUFTS, PH.D., LL.D., Professor and Head of the Department of Philosophy.

JAMES ROWLAND ANGELL, A.M., Professor and Head of the Department of Psychology.

CHARLES HUBBARD JUDD, PH.D., LL.D., Professor and Head of the Department of Education.

ALBION WOODBURY SMALL, PH.D., LL.D., Professor and Head of the Department of Sociology.

NATHANIEL BUTLER, A.M., D.D., LL.D., Professor of Education.

GEORGE BURMAN FOSTER, PH.D., Professor of the Philosophy of Religion.

GEORGE HERBERT MEAD, A.B., Professor of Philosophy.

SAMUEL CHESTER PARKER, A.M., Professor of Education.

WALTER SARGENT, Professor of Education.

WILLIAM ISAAC THOMAS, PH.D., Professor of Sociology.

FRANK MITCHELL LEAVITT, Associate Professor of Industrial Education.

HERMAN CAMPBELL STEVENS, PH.D., Associate Professor of Education.

EDWARD SCRIBNER AMES, PH.D., Assistant Professor of Philosophy.

JOHN FRANKLIN BOBBITT, PH.D., Assistant Professor of School Administration.

ERNEST WATSON BURGESS, PH.D., Assistant Professor of Sociology.

ELLIOT ROWLAND DOWNING, PH.D., Assistant Professor of Natural Science.

FRANK NUGENT FREEMAN, PH.D., Assistant Professor of Educational Psychology.

WILLARD CLARK GORE, PH.D., Assistant Professor of Psychology.

MARCUS WILSON JERNEGAN, PH.D., Assistant Professor of the History of Education.

ROBERT E. PARK, PH.D., Professorial Lecturer in Sociology.

FELLOWS, 1917–18

JOHN WILLIAM DECKER, A.M., TH.M. LAIRD THOMAS HITES, A.M., D.B.

INTRODUCTORY

The Department consists of three divisions: Homiletics, Church Administration, and Religious Education. The introductory courses in each division are prescribed, viz., courses 1, 2, 20, 26, 30. In the case of students who are preparing to be teachers, all the prescribed courses may be taken in Education, viz., courses 26, 30, and three from the following group: Practical Theology 21, 31, 32, Education 70, 79, and 56 or 57.

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For students selecting Practical Theology as the principal department for the D.B. degree all the courses in Homiletics and Church Administration and the following in Religious Education are open as sequence courses: Practical Theology 31, 32, 33, 34, 35, 43, 60, 61, 62, and Education 70, 79, and 56 or 57. At least three must be elected.

HOMILETICS

In the firm conviction that the pulpit is to be of permanent importance in modern life, emphasis is placed upon effective preaching as the pre-eminent function of the minister. With due regard to the great traditions of the pulpit, the endeavor is made to help the preacher to reach his own largest self-expression in the presentation of a modern message to a modern congregation. Inasmuch as preaching is an art, the courses are designed to give the largest possible practice in the actual preparation of sermons. The history of the pulpit, the great sermons of the past, the method and message of modern preachers, are critically studied. In order to train the student in the homiletic use of material acquired in study, and to enforce the value of thoroughness of intellectual preparation, preaching courses are offered based upon the subject-matter of the other departments.

CHURCH ADMINISTRATION

The elements of pastoral leadership and efficiency are considered in this division. The pastor's varied relations, both personal and official, within and without the church, are given careful attention. The function of the church is outlined and its correlation with other welfare agencies of the community is indicated. Investigation and experimentation are conducted by the students in such a way as to cultivate resourcefulness in developing right methods of church work. All students preparing for the pastorate are required to undertake certain practical work during six quarters under the supervision of the Department and to attend weekly conferences on the methods of such work.

Believing that the minister's usefulness depends in large part upon his knowledge of modern society, his ability accurately to ascertain the forces making for or against righteousness, and his disposition to co-operate intelligently with all welfare agencies, it has seemed imperative to organize within the scope of Practical Theology that certain area of sociology which is clearly necessary in the minister's vocational training. With this end in view the Department offers a required course on the Church and Society and several elective courses in which the technique of social study may be exercised upon some limited portion of the field surveyed in the general course. The problems chosen for this more specialized study are among those which lie very close to the mission of the church and yield, therefore, definite practical results for pastoral use.

RELIGIOUS EDUCATION

The work in religious education is conducted in co-operation with the Department of Education, the special problems of religious education being intimately related to the more general subject. All of the courses in the School of Education are open to the students of the Divinity School under the direction of this Department. Students should have an early conference with the instructor with reference to their plan of work. Courses are arranged to meet the needs of four classes of students: (1) Those who are preparing for the Christian ministry, who

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will have the pastoral leadership of the Sunday school and of the educational work of the church. (2) Those who are preparing to be directors of religious education in churches and other institutions. (3) Those who will engage in educational work in foreign lands. (4) Those who desire to fit themselves as specialists for advanced work in the study of religious educational problems.

Religious Education may be elected as the subject for the Master's degree and as the principal or secondary subject for the Doctor's degree. Prerequisites are one course in Psychology and two in Education. These may be taken concurrently with the graduate courses, but without graduate credit.

For the Master's degree eight majors are required, substantially as follows: courses 53, 33, 30, 60, 31, two courses in Education, and one in Psychology. A thesis is also required.

For the Doctor's degree, if the student has done no college work in biology he will be required to take Natural Science 24, Biological Evolution for Students in Education, receiving graduate credit therefor. The prescribed courses—Principles of Religious Education, the Church and Society, and Organization of Church Work—may be applied on the following minimum requirements: (1) for secondary work for the Doctor's degree at least 9 majors; (2) for principal work for the Doctor's degree at least 16 majors.

The thesis may be made in the field of Educational Psychology, in that of Educational Methods, or in that of the History of Religious Education. It will be necessary for the student to determine at least two years before completing his work the field in which he desires to specialize. His course can then be arranged with reference to more thorough work in the special field and more general work in the remaining phases of the subject.

THE RELIGIOUS EDUCATION CLUB

The Religious Education Club holds meetings monthly for the discussion of current literature and the presentation of papers on the problems of religious education.

COURSES OF INSTRUCTION

PRESCRIBED COURSES

(For particulars as to these courses see the full list below)

1. Theory of Preaching.—Summer, 1917; Autumn, 1917; Winter, 1918.

2. Preparation and Delivery of Sermons.—Winter, 1917; Spring, 1918.

20. The Organization of Church Work.—Spring, 1917; Winter, 1918; Spring, 1918.

26. Denominational Development.—Spring, 1917, 1918.

30. Principles of Religious Education.—Summer, 1917; Autumn, 1917; Winter, 1918.

I. HOMILETICS

1. The Theory of Preaching.—M. Summer, 1917, First Term, PROFESSOR HOYT; Mj. Autumn, 1917, PROFESSOR DAVIS (Chicago Theological Seminary); Mj. Winter, 1918, PROFESSOR SOARES.

S1. Same as course 1 above. Mj.

2. Preparation and Delivery of Sermons.—Mj. Winter, 1917, Spring, 1918, ASSOCIATE PROFESSOR HOBEN AND ASSISTANT PROFESSOR BLANCHARD; Spring, 1918, PROFESSOR DAVIS AND ASSISTANT PROFESSOR BLANCHARD (Chicago Theological Seminary).

S2. Preparation and Delivery of Sermons.—Same as course 2 above. Mj.

3. Constructive Homiletics.—Mj. ASSOCIATE PROFESSOR HOBEN.

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4. The Psychology of Preaching.—Mj. PROFESSOR SOARES.

5. The Message of the Preacher.—Mj. PROFESSOR SOARES.

7. History of Preaching.—Mj. PROFESSOR SOARES.

9. The Modern Pulpit.—Mj. ASSOCIATE PROFESSOR HOBEN.

9A. The Modern Pulpit: The Pulpit of the Nineteenth Century.—M. ASSOCIATE PROFESSOR HOBEN.

9B. The Modern Pulpit: Sermons of Living Preachers.—M. PROFESSOR SOARES.

10. Old Testament Oratory.—M. PROFESSOR SOARES.

11. Advanced Homiletics: A Teaching Ministry.—M. Summer, 1917, Second Term, PROFESSOR HOYT.

12. The Social Message of the Church.—Mj. Spring, 1917, ASSOCIATE PROFESSOR HOBEN.

14. Old Testament Expository Preaching.—Mj. Spring, 1918, PROFESSOR SOARES.

15. New Testament Expository Preaching.—Mj. ASSOCIATE PROFESSOR HOBEN.

S16. The Use of the Bible in Preaching.—Mj. Autumn, 1917, PROFESSOR DAVIS (Chicago Theological Seminary).

II. PASTORAL DUTIES AND LITURGICS

20. The Organization of Church Work.—Mj. Spring, 1917, 1918, ASSOCIATE PROFESSOR HOBEN; Mj. Winter, 1918, PROFESSOR DAVIS (Chicago Theological Seminary).

S20. The Organization of Church Work.—Mj. PROFESSOR DAVIS.

21. The Church and the Young People.—Mj. Winter, 1918, ASSOCIATE PROFESSOR HOBEN.

21A. Church Work with Boys.—M. ASSOCIATE PROFESSOR HOBEN.

22. Practical Problems of the Modern Church.—M. ASSOCIATE PROFESSOR HOBEN.

23. The Rural Church.—Mj. Autumn, 1917, ASSOCIATE PROFESSOR HOBEN.

S24. The History and Use of Hymns and Hymn Tunes.—Mj. Autumn, 1916, ASSOCIATE PROFESSOR H. A. SMITH (Chicago Theological Seminary).

25. Evangelism.—M. Summer, Second Term, PROFESSOR SOARES.

S27. The Musical Ministry of the Church.—Mj. Spring, 1916, ASSOCIATE PROFESSOR H. A. SMITH (Chicago Theological Seminary).

S28. Christian Liturgics.—Mj. Spring, 1918, PROFESSOR DAVIS (Chicago Theological Seminary).

29. Denominational Development: Baptist.—Mj. Spring, 1917, 1918, PROFESSOR SOARES. [See Church History S39 for Congregationalism.]

53. The Church and Society.—Mj. Summer, 1917, PROFESSOR HOYT; Autumn, 1917, ASSOCIATE PROFESSOR HOBEN.

55. The Church and Immigrant Peoples.—Mj. Autumn, 1918, ASSOCIATE PROFESSOR HOBEN.

III. RELIGIOUS EDUCATION

NOTE.—Other departments are indicated by giving the name of the department before the number of the course.

GROUP I. COURSES IN ORGANIZATION AND METHOD

Education 1. Introduction to Education.—Mj. PROFESSOR JUDD.

Education 86. Methods of Teaching in Elementary Schools.—Mj. ASSOCIATE PROFESSOR PARKER.

30. Principles of Religious Education.—Mj. Summer, 1917, PROFESSORS SOARES AND WARD; Mj. Winter, 1918, PROFESSOR SOARES.

S30. Principles of Religious Education.—M. Summer, 1917, Second Term, Mj. Autumn, 1917, PROFESSOR WARD (Chicago Theological Seminary).

Education 41. The Schools of Germany, England, and the United States.—Mj. PROFESSOR BUTLER.

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Education 56. General Principles of Fine and Industrial Art.—Mj. PROFESSOR SARGENT.

Education 57. Industrial Education in Public Schools.—Mj. ASSOCIATE PROFESSOR LEAVITT.

Education 59. Vocational Guidance. Mj. ASSOCIATE PROFESSOR LEAVITT.

Education 90. Advanced Principles of Method for High-School Teachers.—Mj. PROFESSOR PARKER.

Education 91. Development of Modern Methods of Teaching in Elementary Schools.—Mj. PROFESSOR PARKER.

31. The Materials of Religious Education.—Mj. Spring, 1917, 1918, PROFESSOR SOARES.

32. Methods of Teaching the Bible.—Mj. Autumn, 1917, PROFESSOR SOARES.

33. The Problems of Religious Education.—Mj. Autumn, 1917, PROFESSOR SOARES.

33A. Organization of Religious Education.—M. PROFESSOR SOARES.

S33. The Method of Religious Education.—Mj. Spring, 1917, 1918, M. Summer, 1917, Second Term, PROFESSOR WARD (Chicago Theological Seminary).

34. The Religious Education of the Adult.—Mj. Spring, 1917, PROFESSOR SOARES.

35. Religious Instruction and Public Education.—M. Summer, 1917, First Term, PROFESSOR SOARES.

36. Methodology of Religious Education.—Mj. PROFESSOR SOARES.

S37. Jesus the Teacher.—Mj. Autumn, 1916, PROFESSOR WARD (Chicago Theological Seminary).

GROUP II. HISTORICAL COURSES

Education 15. History of Education in America.—Mj. Summer, PROFESSOR GRAVES.

Education 17. American Colonial Education.—ASSISTANT PROFESSOR JERNEGAN.

Education 18. History of American Education.—ASSISTANT PROFESSOR JERNEGAN.

43. History of the Sunday School.—Mj. PROFESSOR SOARES.

S44. The Modern Sunday School.—Mj. Spring, 1917, 1918, PROFESSOR WARD (Chicago Theological Seminary).

GROUP III. PSYCHOLOGICAL COURSES

Education 71. Introductory Laboratory Course in Experimental Education.—Mj. ASSISTANT PROFESSOR FREEMAN.

Education 72. Statistical Method as Applied to Educational Problems.—Mj. ASSISTANT PROFESSOR BOBBITT.

Education 73. Psychopathic, Retarded, and Mentally Deficient Children.—Mj. ASSOCIATE PROFESSOR STEVENS.

Education 83. Research Problems in Education.—PROFESSOR JUDD.

Psychology 13. Social Psychology.—Mj. PROFESSOR MEAD.

Psychology 19. Psychology of Religion.—Mj. ASSISTANT PROFESSOR AMES.

Comparative Religion 3. Psychology of Religion.—Mj. PROFESSOR FOSTER.

GROUP IV. PHILOSOPHICAL AND ETHICAL COURSES

Philosophy 40. Evolution of Morality.—Mj. PROFESSOR TUFTS.

Philosophy 44. Social and Political Philosophy.—Mj. PROFESSOR TUFTS.

Philosophy 51. Moral Education.—Mj. PROFESSOR TUFTS.

Comparative Religion 4. Religion of Primitive Peoples.—Mj. PROFESSOR FOSTER.

Comparative Religion 9. Metaphysics of Religion.—Mj. PROFESSOR FOSTER.

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GROUP V. SOCIOLOGICAL COURSES

Sociology 5. The Family.—Mj. ASSISTANT PROFESSOR BURGESS.

Sociology 31. Mental Development of the Race.—Mj. PROFESSOR THOMAS.

Sociology 30. Social Attitudes.—PROFESSOR THOMAS.

Sociology 18. The Ethics of Sociology.—Mj. PROFESSOR SMALL.

Sociology 36. The Social Survey.—Mj. PROFESSOR PARK.

60. Juvenile Delinquency and Moral Education.—Mj. Winter, 1918, ASSOCIATE PROFESSOR HOBEN.

61. Community Factors in Moral Education.—M. ASSOCIATE PROFESSOR HOBEN.

62. Religion and Play.—M. Summer, Second Term, ASSOCIATE PROFESSOR HOBEN.

THE DEPARTMENT OF SOCIOLOGY

OFFICERS OF INSTRUCTION

ALBION W. SMALL, PH.D., D.D., Professor and Head of the Department of Sociology.

SCOTT E. W. BEDFORD, A.M., L.H.D., Associate Professor of Sociology.

ERNEST WATSON BURGESS, PH.D., Assistant Professor of Sociology.

ALLAN HOBEN, PH.D., Associate Professor of Pastoral Duties.

GRAHAM TAYLOR, D.D., Professor of Social Economics (Chicago Theological Seminary).

FELLOW, 1917–18

COMER MCDONALD WOODWARD, A.M.

INTRODUCTORY

The purpose of these courses is to provide means for the systematic study of contemporary institutions with which educated leaders of society must deal in daily life, and of those human relations which determine duty and shape character. The city and surrounding country furnish an accessible laboratory for observation, the value of which is beyond estimate.

Under the arrangements established with the Department of Sociology of the Graduate School of Arts and Literature, Sociology may be elected by students of the Divinity School as either a principal or a secondary subject for the degree of Ph.D. For particulars the student should consult the Dean of the Divinity School and the statements of the Department of Sociology and Anthropology in the *Annual Register* or the *Circular* of the Social Science Group.

REQUIREMENTS FOR DEGREES

a) The candidate is subject to the general regulations of the Divinity School respecting degrees.

b) For the degree of Bachelor of Divinity the candidate's work in Sociology is elective, with the exception of 53 and 54 prescribed, and the electives may be chosen from Sociology courses 56, 57, 61, 64, 65, 68. Other courses can be accepted only by previous consent of the Department.

c) The conditions for the degrees of A.M. and Ph.D. in the Department of Sociology are identical with those in Group C of the Department of Sociology in the Graduate School of Arts and Literature (see *Circular* of the Social Science Group).

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In order to be admitted to candidacy for one of the higher degrees in Sociology or Anthropology, students must have included in their previous work the equivalent of the following courses, viz., "the Social Science Sequence." For the purpose here in view that grouping of courses is understood to include:

I. Elements of Biology
II. History 1, 2, and 3
III. Political Economy 1 and 2
IV. Statistics (Political Economy 9)
V. Political Science 1
VI. Psychology 1
VII. Sociology 1
VIII. Sociology 3
IX. Logic or Ethics, one major
X. One year of Senior College History

The following courses or their equivalents must have been covered by candidates for the Master's degree:

I. Sociology 30 (or 26 in case 30 has been included in the undergraduate work)
II. Sociology 5
III. Sociology 15
IV. Sociology 16
V. Political Science 10. Elements of Law.

In addition to these in case Sociology is the secondary subject for the Doctor's degree:

VI. Sociology 73 and 73A
VII. Sociology 17

In case Sociology is the principal subject, the course must include at least one year of work in one of the seminars of the Department.

d) For the Doctor's degree, with Sociology as secondary subject, not less than nine (9) majors will be accepted. Division between philosophy and institutions as under (*e*).

e) For the Doctor's degree, with Sociology as principal subject, not less than eighteen (18) majors will be accepted. Division between social philosophy and institutions about equal in amount. In case the chief work of a candidate is philosophical, at least one piece of original concrete investigation will be required before examination for the degree of Ph.D. In case the chief work of a candidate is investigation of concrete relations, a prerequisite will be at least one piece of independent philosophical work.

The Seminar, courses 73, 74, 75, is designed for students who have already had some work in Sociology, and who have in mind some particular concrete subject for independent investigation by means of documents, observation, and interviews. Admission to this seminar only by permission of instructor.

All courses in the Department of Sociology and Anthropology are open to Divinity students for election and the announcements of that Department should be consulted for particulars.

The conditions and relations are such as to make an early interview with the instructor of the Department very important.

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COURSES OF INSTRUCTION

PRESCRIBED COURSES

(For particulars as to these courses see the full list below)

A. IN THE DIVINITY SCHOOL

53. The Church and Society.—Mj. Autumn, 1917.

B. IN THE CHICAGO THEOLOGICAL SEMINARY

S53. The Church and Society.—Winter, 1917.

I. PRIMARILY FOR GRADUATE STUDENTS

5. The Family.—Mj. Spring, 1917, ASSISTANT PROFESSOR BURGESS.

S5. The Family and the Community.—Mj. Spring, 1917, PROFESSOR TAYLOR (Chicago Theological Seminary).

50. Urban Communities.—Mj.

S50. Co-operation for Local Progress.—Mj. PROFESSOR TAYLOR (Chicago Theological Seminary).

51. Social Treatment of Crime.—Mj. Summer, ASSISTANT PROFESSOR BURGESS.

52. Evolution of Philanthropy.—Mj. Winter, ASSISTANT PROFESSOR BURGESS.

53. The Church and Society.—Mj. Summer, 1917, PROFESSOR HOYT; Autumn, 1917, ASSOCIATE PROFESSOR HOBEN.

S53. The Church and Society.—Mj. Winter, 1917, PROFESSOR TAYLOR (Chicago Theological Seminary).

55. Contemporary Charities.—Mj. ASSISTANT PROFESSOR BURGESS.

57. Rural Sociology.—Mj.

58. Organization and Administration of Charities.—Mj. Spring, 1917, ASSISTANT PROFESSOR BURGESS.

59. The Group of Industrials.—Mj.

73, 74, 75, Seminar: Methods of Social Amelioration.—2Mjs. Autumn and Winter. Hour to be arranged with students.

II. MISSIONS

54. Problems and Method of Church Expansion.—Mj.

100. Problems of the New China.—Mj.

101. Christianity in Japan.—Mj.

102. The Mohammedan World.—Mj.

COGNATE COURSES IN OTHER DEPARTMENTS

NOTE.—Other departments are indicated by giving the name of the department before the number of the course.

Philosophy 40. Evolution of Morality.—Mj. Autumn, PROFESSOR TUFTS.

Philosophy 48. Advanced Ethical Theory.—2Mjs. PROFESSOR TUFTS.

Sociology 80. General Anthropology.—Mj. ASSOCIATE PROFESSOR STARR.

Sociology 82. Ethnology.—Mj. Summer, ASSOCIATE PROFESSOR STARR.

Sociology 101. Japan.—Mj. ASSOCIATE PROFESSOR STARR.

Sociology 3. Social Origins.—Mj. PROFESSOR THOMAS.

Sociology 31. Mental Development of the Race.—Mj. PROFESSOR THOMAS.

Sanskrit 14. The Religions of India.—Mj. Summer, DR. CLARK.

Sanskrit 15. Hindu Philosophy.—Mj. DR. CLARK.

Romance Languages 41. Introduction to Phonetics.—Mj.

Oriental Languages 130. Elements of Phonetics.—Mj. Summer, 1917. ASSISTANT PROFESSOR SPRENGLING.

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Oriental Languages 131. Experimental Phonetics.—Mj. ASSISTANT PROFESSOR SPRENGLING.

Church History 63A. Introduction to the History of Christian Missions.—Winter, Summer, Autumn, 1917, ASSOCIATE PROFESSOR MONCRIEF.

Church History 63B. Christian Missions at the Opening of the Twentieth Century.—Mj. Winter, 1918, ASSOCIATE PROFESSOR MONCRIEF.

Church History 63C. Christian Missions in India.—Mj. ASSOCIATE PROFESSOR MONCRIEF.

Church History 63D. Christian Missions in China.—Mj. ASSOCIATE PROFESSOR MONCRIEF.

THE DEPARTMENT OF PUBLIC SPEAKING

(IN THE DIVINITY SCHOOL)

OFFICER OF INSTRUCTION

FREDRIC MASON BLANCHARD, A.M., Assistant Professor of Public Speaking.

INTRODUCTORY

The purpose of these courses is to provide systematic training in oral discourse for advanced students looking toward some professional career.

Although under the administration of the Divinity School, the work is arranged to satisfy the needs of students in law, business, or other professional activities.

COURSES OF INSTRUCTION

PRESCRIBED COURSE

(For particulars as to this course see the full list below

21. Voice and Action.—ASSISTANT PROFESSOR BLANCHARD.

22. Speaking and Reading.—Mj. ASSISTANT PROFESSOR BLANCHARD.

23. Vocational Speaking I.—Mj. Autumn, 1917, 1:30, ASSISTANT PROFESSOR BLANCHARD.

24. Vocational Speaking II.—Mj. Winter, 1917, 1:30, ASSISTANT PROFESSOR BLANCHARD.

25. Vocational Speaking III.—Mj. Spring, 1917, 1:30, ASSISTANT PROFESSOR BLANCHARD.

26. Vocal Expression.—M. First Term, Summer, 1917, 1:30, ASSISTANT PROFESSOR BLANCHARD.

27. General Speaking.—M. First Term, Summer, 1917, 2:30, ASSISTANT PROFESSOR BLANCHARD.

MUSIC

OFFICERS OF INSTRUCTION

ROBERT WATERMAN STEVENS, A.B., Organist and Director of the Choirs.

HENRY AUGUSTINE SMITH, M.A., Associate Professor of Practical Theology in the Chicago Theological Seminary.

0. Church Music and Singing.—MR. STEVENS.

00. Ear Training and Sight-Reading.

This amount of study is prescribed for first-year men during two quarters. Both courses are given each quarter, two periods a week, or according to most convenient appointment for the class.

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The first course is intended for those having no knowledge whatever of music, and deals with the simplest questions. Time-beating and conducting, however, enter this work under the head of "Rhythm." The study of "Melody" is followed through the singing of simple scales, hymns, and folk-tunes. Some attention is paid to the proper use of the voice. Under "Harmony" is given instruction in the development of our scale, upon the old church modes, and intervals, with numbers, letters, names, and syllabic use of the same. A study in notation, keyboard, application, and ear-training is conducted, depending upon the greatest need of the class.

The second course is for those who have had at least one term of music. It is a free continuation of Music 0. Besides this further attention to technical improvement, special emphasis is given to the appreciation of music. Certain master works are briefly noted, and any member of the class who has a fair average voice and some reading ability is welcome to join the choral society of the University Choirs.

As the University conducts no regular school of music, those desiring to secure special instruction may arrange work by conferring with the Director. School advantages or private instruction in piano, organ, voice, violin, harmony, and all branches of music are available to students at moderate rates. Men who receive appointment to the University Choir have ten to fifteen dollars a quarter applied on their tuition, for the Chapel and Sunday service. Women's Choir service is voluntary, except for the Tuesday morning Junior Choir, which pays two dollars a quarter. MR. STEVENS.

COURSES IN THE CHICAGO THEOLOGICAL SEMINARY

1. The History and Use of Hymns and Hymn Tunes.—Mj. ASSOCIATE PROFESSOR HENRY AUGUSTINE SMITH.

2. The Musical Ministry of the Church.—Mj. ASSOCIATE PROFESSOR HENRY AUGUSTINE SMITH.

E. THE ENGLISH THEOLOGICAL SEMINARY

GENERAL INFORMATION

For general conditions of admission see p. 308. The English Theological Seminary is intended to meet the needs of students who have not secured the advantages of a collegiate education. Pastors who are neither college nor divinity-school graduates, approved candidates for the ministry whose scholastic training is deficient, and other men and women who, with the commendation of their churches, purpose to devote their lives to religious work, are admitted to the English Theological Seminary. For students of this description the season of residence is the Summer Quarter only. The Seminary provides non-residence correspondence courses for the Autumn, Winter, and Spring Quarters. (Special circulars explaining the correspondence-study work will be sent on application.) The Summer Quarter has been set apart for resident instruction in order to accommodate a large number of those who can be absent from their homes only at this season; and it is believed that many churches will gladly release their pastors in the summer, when the pastoral work is less exacting than usual.

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COURSES OF INSTRUCTION

RESIDENT COURSES: SUMMER QUARTER, 1917

The following courses, given here by title only, are open to English students:

OLD TESTAMENT LITERATURE AND INTERPRETATION

82. History and Judaism.
117. The Early History of Syria and Palestine.
130. The Elements of General Phonetics.

NEW TESTAMENT AND EARLY CHRISTIAN LITERATURE

2. The Literature of the New Testament.
11. Early Christianity and Contemporary Philosophies.
S56. The Gospel of John.
58. The Epistle to the Romans.
67. The Epistle to the Hebrews.
S71. The Teaching of Jesus.

SYSTEMATIC THEOLOGY

1. Systematic Theology I.
33. The Christian View of Man and Sin.
37. The Doctrine of the Kingdom of God.

CHURCH HISTORY

2. The Ancient Catholic Church.
3. The Period of the Reformation, 1500–1648.
7. Early Christianity and Contemporary Philosophies.
M28. The Church in the Nineteenth Century.
63A. Introduction to the History of Christian Missions.

PRACTICAL THEOLOGY

1. The Theory of Preaching.
11. Advanced Homiletics: A Teaching Ministry.
30. Principles of Religious Education.
35. Religious Instruction and Public Education.
53. The Church and Society.

SOCIOLOGY

7. Social Pathology.
57. Rural Sociology.
66A. The Family, Marriage, and Related Problems.

PUBLIC SPEAKING

26. Vocal Expression for the Minister.
27. General Speaking.

MUSIC

0. Church Music and Singing.
00. Ear-Training and Sight-Reading.

DISCIPLES' DIVINITY HOUSE

5. Problems of Doctrinal Readjustment.

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II. THEOLOGICAL INSTITUTIONS AFFILIATED WITH THE UNIVERSITY

MEMORANDUM OF AGREEMENT BETWEEN AFFILIATED THEOLOGICAL SEMINARIES AND THE UNIVERSITY OF CHICAGO

The Board of Trustees of the University of Chicago has adopted the following basis for the affiliation of theological seminaries with the University:

A theological seminary may become affiliated with the University of Chicago under the following conditions:

1. *General character of affiliation.*—

1) A theological seminary may be affiliated with the University of Chicago on condition that its standard of scholarship and quality of teaching are approved and shall thereafter continue to be subject to approval by the Faculty of the Graduate Divinity School of the University of Chicago.

2) Affiliated seminaries shall maintain their autonomy and power to grant degrees, appoint instructors, and control their property.

2. *Faculties of affiliated seminaries.*—

1) The names of the members of the faculty of each affiliated seminary shall be printed in the *Register* of the University of Chicago under the name of the seminary—such name of the seminary standing under the general caption, "Faculties of Affiliated Theological Seminaries."

2) An individual member of a faculty of an affiliated seminary may be appointed a member of a department of the University of Chicago; only when so appointed shall he become a member of a Faculty of the University.

3. *Courses given by the faculties of the affiliated seminaries and the Graduate Divinity School.*—

1) Students of affiliated seminaries who meet the requirements for entrance to the Graduate Divinity School of the University of Chicago may be matriculated and registered in said school under the same conditions as students of that school.

2) Students of the Graduate Divinity School of the University of Chicago may register for courses in the affiliated seminary on the same conditions as the students of the affiliated seminary.

3) Credit for courses taken by students of affiliated seminaries in the Graduate Divinity School of the University, or by students of the Divinity School in the affiliated seminaries, shall be given toward the degree of each institution in accordance with the regulations governing the conferring of its degree by such institution. In administering this article of agreement, each institution may indicate the list of courses given by the faculty of the other for which it will give credit toward its degree without further examination.

4) Students of affiliated seminaries who desire the D.B. degree from the Graduate Divinity School of the University of Chicago may receive such degree after matriculation and registration, in accordance with the general regulations governing the granting of degrees in the Divinity School; it being understood that at least one year (i.e., nine majors) of actual residence in the Graduate Divinity School shall be a prerequisite for such a degree.

4. *Courses given by the Faculties of Arts, Literature, and Science.*—

1) Students of affiliated seminaries may be admitted to courses given by members of the Faculties of Arts, Literature, and Science under the following conditions:

a) Such students as are registered in the Graduate Divinity School of the University of Chicago may enter those courses in accordance with the conditions

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and precedents pertaining to and maintained by the Graduate Divinity School of the University of Chicago, and

b) Students who are not matriculated and registered in the Graduate Divinity School of the University of Chicago shall pay tuition to the University of Chicago for courses given by the Faculties of Arts, Literature, and Science under the same conditions as other students in the Graduate Schools and Colleges.

2) Students of affiliated seminaries who wish to acquire the A.B., Ph.B., or S.B. degree from the University of Chicago shall conform to the regulations governing the conferring of such degrees.

3) Students of affiliated seminaries who desire the A.M. and Ph.D. degrees from the University of Chicago may be matriculated and registered in the Graduate Divinity School of the University of Chicago and receive the degree in accordance with the regulations of the Graduate Divinity School and the Graduate School of Arts, Literature, and Science.

5. *Miscellaneous.*—

1) Students of affiliated theological seminaries may occupy rooms in the dormitories or enjoy other privileges of the Graduate Divinity School of the University of Chicago, provided they are matriculated and registered in the Graduate Divinity School.

2) The University of Chicago will provide, without cost, temporary classrooms for affiliated schools, in so far as arrangements are practicable and necessary.

3) The libraries of the affiliated seminaries, if it be so desired, and there be available space, will be temporarily housed, without cost, in the buildings of the University of Chicago in a separate section or room, the cost of maintenance and administration of such libraries to be borne by the affiliated seminary.

4) The officers and students of affiliated seminaries shall have the privileges of students of the University of Chicago in respect to the use of libraries, museums, and gymnasiums of the University of Chicago; and, in like manner, the officers and students of the University of Chicago shall have the privileges of the libraries and museums of affiliated seminaries.

6. *Severance.*—The agreement of affiliation may be severed by the wish of either party thereto upon one year's notice.

On the foregoing basis the Chicago Theological Seminary has entered into affiliation with the University. The list of members of the Faculty will be found on p. 330. Information may be obtained by addressing the President of the Seminary, Rev. Dr. Ozora S. Davis, Chicago, Ill.

MEMORANDUM OF AGREEMENT BETWEEN THE DIVINITY HOUSES OF THE UNIVERSITY OF CHICAGO AND THE UNIVERSITY OF CHICAGO

First. The Divinity House (in each case) of the University of Chicago hereby agrees to build one or more halls at some point in proximity to the grounds of the University of Chicago, to be called by name or names hereafter to be agreed upon by the parties to this contract, it being understood that the hall or halls shall be used as a home for students of these denominations attending the University of Chicago; it being further understood that the grounds and halls shall be the sole and exclusive property of said Divinity House of the University of Chicago.

Second. The University of Chicago hereby agrees to furnish to the students of said House all the privileges of the University on the same terms as to the students living in the houses of the University itself, it being further understood that students pursuing courses of theological studies shall be admitted in accordance with the regulations governing the Divinity School, and that said students, after having completed the courses of study laid down by the University, shall receive the proper recognition of such work in the form of appropriate degrees.

Third. It is mutually agreed that the Divinity House of the University of Chicago shall have the privilege of nominating one or more instructors or officers,

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who shall be given general charge of their said hall or halls and of students residing therein; provided said instructors or officers shall be elected by the Board of Trustees of the University of Chicago; it being understood: (1) That the officers of the House shall be recognized as members of the University of Chicago; shall be invited to confer with the Divinity Faculty of the University on questions which relate exclusively to the interests of the House or its members, and upon such questions only; and that the House shall be represented in the University Council by its principal officer, who shall be called Dean. (2) That the officers of the House shall give instruction in connection with the department or departments of the University designated at the time of their election, which instruction shall be accepted of students in lieu of other similar instruction offered by the University in accordance with the regulations of the Divinity School. (3) That the support and maintenance of such officers and instructors shall be provided by the Divinity House of the University of Chicago; it being understood that the University of Chicago shall have no financial responsibility in connection with said House, its officers, or teachers.

The Disciples' Divinity House, the Ryder (Universalist) Divinity House, and the Norwegian Baptist Divinity House are in operation at the University under the terms of this agreement.

THE FACULTY OF
THE CHICAGO THEOLOGICAL SEMINARY

(AFFILIATED WITH THE UNIVERSITY OF CHICAGO)

OZORA STEARNS DAVIS, PH.D., D.D., Professor of Practical Theology; President of the Chicago Theological Seminary.

FRANK GIBSON WARD, PH.D., Professor of Religious Education; Dean of the Chicago Theological Seminary.

GILES BUCKINGHAM WILLCOX, D.D., Stone Professor Emeritus of Practical Theology.

GRAHAM TAYLOR, D.D., LL.D., Professor of Social Economics.

CLARENCE AUGUSTINE BECKWITH, D.D., Secretary, Illinois Professor of Systematic Theology.

HENRY HAMMERSLEY WALKER, PH.D., Sweetzer and Michigan Professor of Ecclesiastical History.

BENJAMIN WILLARD ROBINSON, PH.D., Iowa Professor of New Testament Literature and Interpretation; Registrar of the Chicago Theological Seminary.

HENRY AUGUSTINE SMITH, A.M., Associate Professor of Practical Theology.

FREDRIC MASON BLANCHARD, A.M., Assistant Professor of Elocution.

WILLIAM ELIEZUR BARTON, D.D., Lecturer on Ecclesiastical Law.

THE FACULTY OF
THE MEADVILLE THEOLOGICAL SCHOOL

FRANCIS A. CHRISTIE, D.D., Professor of Church History.

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THE FACULTIES OF THE DIVINITY HOUSES

1. The Disciples' Divinity House

Herbert Lockwood Willett, Ph.D., Dean.
Errett Gates, D.B., Ph.D., Assistant Professor of Church History.
Charles Manford Sharpe, A.M., Ph.D., Assistant Professor of Systematic Theology.

2. The Ryder (Universalist) Divinity House

Lewis Beals Fisher, D.D., LL.D., Dean and Lecturer on Denominational History and Doctrine.
L. Ward Brigham, D.D., Lecturer in Liturgics.

3. The Norwegian Baptist Divinity House

Henrik Gundersen, A.M., D.B., Dean and Professor of Systematic Theology.

THE DISCIPLES' DIVINITY HOUSE

OFFICERS OF INSTRUCTION

Herbert Lockwood Willett, Ph.D., Dean, Professor of Old Testament Language and Literature.
Errett Gates, D.B. Ph.D., Assistant Professor of Church History (Disciples' Divinity House).
Charles Manford Sharpe, A.M., Ph.D., Assistant Professor of Systematic Theology (Disciples' Divinity House).

COURSES OF INSTRUCTION

1. History of the Disciples.—Mj. Winter, 1917, Autumn, 1919, Professor Willett.

2. The Development of Thought among the Disciples.—Mj. Spring, 1917 Winter, 1918, Assistant Professor Sharpe.

3. History and Principles of Christian Union.—Mj. Spring, 1918, Professor Willett.

5. Problems of Doctrinal Readjustment.—Mj. Summer, 1917, Assistant Professor Sharpe.

THE RYDER (UNIVERSALIST) DIVINITY HOUSE

OFFICERS OF INSTRUCTION

Lewis Beals Fisher, D.D., LL.D., Dean and Lecturer on Denominational History and Doctrine.
L. Ward Brigham, M.D., D.D., Lecturer on Liturgics.

COURSES OF INSTRUCTION

1. History of Doctrine among the Universalists.—Mj. Winter and Spring, 1916–17, Dean Fisher.

2. History of Universalist Organization.—Mj. Winter and Spring, 1916–17, Dean Fisher.

3. Worship and Liturgy in the Liberal Christian Churches.—Dr. Brigham.

4. The Liberal Movement in Theology.—Mj. Autumn, Winter, and Spring, 1916–17, Dean Fisher.

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THE NORWEGIAN BAPTIST DIVINITY HOUSE

OFFICER OF INSTRUCTION

HENRIK GUNDERSEN, A.M., D.B., Dean and Professor of Systematic Theology.

COURSES OF INSTRUCTION

I. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION

1. **Biblical Antiquities.**—*a*, Domestic, *b*, Civil, *c*, Sacred.
2. **The History of the Jewish Nation.**
3. **Biblical Interpretation.**
4. **Introduction to the Old Testament.**
5. **Introduction to the New Testament.**
6. **The Life of Christ.**
7. **The Epistle to the Romans.**
8. **New Testament Greek.**—The Gospel according to Matthew, studied grammatically.
9. **Bible Chapter Summary.**

II. SYSTEMATIC THEOLOGY

1. **Theological Introduction and Bibliology.**
2. **The Doctrine of God.**
3. **Anthropology.**
4. **Soteriology.**
5. **Eschatology.**

III. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES

1. **Homiletics, Theoretical and Practical.**
2. **Church Polity.**
3. **Pastoral Theology.**

IV. CHURCH HISTORY

1. **The Early Church Prior to Constantine.**
2. **Outline in Ancient Church History.**
3. **Outline in Mediaeval Church History.**
4. **Outline in Modern Church History.**
5. **History of the Baptists.**

V. PREPARATORY SUBJECTS

1. **English Grammar.**—The acquisition of a vocabulary, grammatical principles, composition, and translation.
2. **Norwegian Grammar and Rhetoric.**
3. **Geography.**—A study in the political geography of the world. Economic and commercial conditions are considered.
4. **General History of the World.**
5. **Logic, Deductive and Inductive.**

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III. THE LAW SCHOOL

THE FACULTY

HARRY PRATT JUDSON, A.M., LL.D., President of the University.
JAMES PARKER HALL, A.B., LL.B., Professor of Law; Dean of the Law School.
HARRY AUGUSTUS BIGELOW, A.B., LL.B., Professor of Law.
ERNST FREUND, PH.D., J.U.D., Professor of Law.
EDWARD WILCOX HINTON, LL.B., Professor of Law.
*JULIAN WILLIAM MACK, LL.B., Professor of Law.
FLOYD RUSSELL MECHEM, A.M., LL.D., Professor of Law.
FREDERIC CAMPBELL WOODWARD, A.M., LL.M., Professor of Law.
HERMAN ENZLA OLIPHANT, A.B., J.D., Associate Professor of Law.
BENJAMIN FRANKLIN BILLS, PH.B., J.D., Instructor in Law.

———, Special Lecturer on Legal Ethics.
CHARLES EDWARD KREMER, LL.B., Special Lecturer on Admiralty Law.
FRANK FREMONT REED, A.B., Special Lecturer on Copyright and Trademark Law.

GEORGE PURCELL COSTIGAN, JR., A.M., LL.B., LL.D., Professor of Law, Northwestern University (Summer, 1917).
ELDON REVARE JAMES, S.B., LL.B., S.J.D., Professor of Law; Dean of Law School, University of Missouri (Summer, 1917).
HENRY SCHOFIELD, A.M., LL.B., Professor of Law, Northwestern University (Summer, 1917).

FREDERICK WILLIAM SCHENK, Librarian.
RUTH BRADLEY, Secretary.
HANS DAVID GAEBLER, A.M., Reading-Room Assistant and Cataloguer.
R T WALKER DUKE, Library Assistant.
MILDRED TRINE, Clerk.
MELBA AMINTA TYRRELL, Clerk.

ORGANIZATION AND EQUIPMENT

GENERAL STATEMENT

The University of Chicago Law School was established in 1902. It aims to give a thorough legal training to students whose education and maturity have fitted them to pursue serious professional study. The method of instruction employed—the study and discussion of cases—is designed to give an effective knowledge of legal principles and to develop the power of independent legal

* Absent on leave.

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reasoning. The course of study offered, requiring three academic years for completion, is not local in its scope, but constitutes a thorough preparation for the practice of law in any English-speaking jurisdiction. By taking advantage of the quarter system (see "General Information," p. 335, below) students may complete the course in two and one-fourth calendar years.

Only college graduates or students who have had college work equivalent to three years in the University are admitted as candidates for the degree of Doctor of Law (J.D.), which is conferred upon college graduates only. The University permits one year of law to be counted as the fourth year of college work, and confers an academic Bachelor's degree upon candidates for J.D. who have completed one year in the Law School, thus enabling them to obtain both the academic and the professional degrees in six years. (See "Degrees," below, p. 338.) Students over twenty-one years old are admitted as candidates for the degree of Bachelor of Laws (LL.B.) upon the conditions stated below, p. 337, under "Admission."

It is very desirable that the preliminary education of law students should include work in the social sciences, and provision has been made in the third college year for pre-legal study devoted chiefly to these subjects. This course is not required, but students expecting to study law are strongly advised to pursue it. Its suggested topics are found below, p. 340, under "Pre-legal Courses."

THE LAW BUILDING

The Law School occupies a building within the University quadrangles, erected especially for it in 1904. It is three stories high, 175 feet long, and 80 feet wide, built of stone in the English Gothic style of architecture. On the first floor are four lecture-rooms, two of which are in theater form. The mezzanine floor is occupied by the library stackroom, connected with the reading-room above by electric book lifts and designed to contain steel stacks for 90,000 volumes. Opening into the stackroom are studies for members of the Faculty and the Librarian's room. On the third floor is the reading-room, a great hall with high, timbered ceiling, 160 feet long and 50 feet wide, lighted on all sides by Gothic windows. It has shelves for 14,000 books and provides space for tables accommodating 400 readers. Adjoining the reading-room is the office of the Dean. In the basement is a smoking-room and the locker-room, containing several hundred steel-mesh lockers for the use of students.

THE LIBRARY

The Law Library contains about 42,600 volumes. Except a few county-court decisions, it includes all of the American, English, Irish, Scotch, Canadian, Australian, New Zealand, and higher Indian reports, with their digests; all past and present codes and statutory revisions of those jurisdictions; the recent South African reports; all English, Irish, and Scotch statutes, and (except the early laws of some of the older states) nearly all of the session laws of the American states and Canadian provinces; all collateral reports and series of classified cases in use; an extensive collection of treatises, periodicals, trials, and legal miscellany, including a large amount of old English historical material; and a working library in French, German, Spanish, and Mexican law.

Students in the Law School may use the other University libraries, containing over 475,000 volumes.

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GENERAL INFORMATION

THE QUARTER SYSTEM

The system prevailing in the University of dividing the work into quarters is adopted in the Law School. The quarters are designated as the Summer, Autumn, Winter, and Spring Quarters, beginning respectively in 1917–18 on June 18, October 1, January 2, and April 1. Each quarter is eleven to twelve weeks long, and the Summer and Winter Quarters are divided into two terms. A recess of about one week occurs between successive quarters, except that there is no recess between the Spring and Summer Quarters, and that there is one during September at the end of the Summer Quarter. Any three quarters count as an academic year, and it is thus possible to complete the three-year law course in two and one-fourth calendar years.

The work in the Law School is so arranged that it is better for beginning first-year students to enter at the opening of the Summer or Autumn Quarter than at any other time. The beginning courses given then are not repeated later, and while such students may enter in the middle of the Winter, or at the beginning of the Winter or Spring Quarter, it is somewhat less advantageous to do so. Senior College students should plan their work to enter the Law School in June or October. Students admitted to advanced standing may usually enter without difficulty in the middle of the Summer or Winter Quarter, or at the beginning of any quarter. No courses begin in the middle of the Autumn or Spring Quarter.

FEES, EXPENSES, ETC.

1. *Matriculation fee.*—A matriculation fee of $5.00 is paid by every student entering the University for the first time.

2. *Tuition fee.*—The tuition fee in the Law School is $50.00 a quarter (in the Summer and Winter Quarters $25.00 a term) for regular work (three majors). Students who take half-work or less pay half-fees, and receive residence credit *pro rata*. With the consent of the Dean law students may take extra work in the Law School or in any department of the University without extra charge. If such extra work is counted toward admission requirements or a college degree, $17.50 a major is charged. Undergraduate students not registered in the Law School must pay $17.50 for each major law course taken as *extra work*.

For the pre-legal course the tuition fee is $50.00 a quarter for regular work. For *extra work* $17.50 a major is charged.

3. *Graduation fee.*—The graduation fee for any law degree is $10.00.

4. *Payment of bills.*—All tuition fees are due *on or before the first day of each quarter*, and are payable at the Cashier's Office, Press Building. If not paid *before the end of the fifth day of the quarter* a fee of $5.00 is added.

5. *Rooms and board.*—There are ten dormitories within the quadrangles, the cost of furnished rooms in which is from $25.00 to $75.00 per quarter of twelve weeks. This includes heat, light, and care. The University furnishes table board for men at moderate rates in the University Commons in Hutchinson Hall, the weekly cost of which need not exceed $4.00 to $5.00.

All applications for rooms, or for information concerning rooms and board, within or without the quadrangles, should be made to the Cashier, who will send diagrams and prices upon application.

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6. *Estimated expenses.*—The following table gives an estimate of the annual expenses for three quarters (thirty-six weeks) of a student in the Law School residing within the quadrangles. The expense of a Summer Quarter is about one-third of these amounts.

	Low	Average	Liberal
Tuition, Law School*	$150.00	$150.00	$150.00
Rent and care of room	60.00	105.00	175.00
Board	135.00	162.00	225.00
Laundry	15.00	25.00	35.00
Textbooks and stationery	25.00	35.00	50.00
Total	$385.00	$477.00	$635.00

*The tuition for the pre-legal curriculum is $150.00 for thirty-six weeks.

It is believed that students who find it necessary to reduce expenses below the lowest of these estimates can do so. Furnished rooms outside the quadrangles, with heat, light, and care, may be obtained at from $1.50 a week upward, the $1.50 rate being easily secured where two students room together. Many places offer room and board from $6.00 upward. There are student clubs which secure board at cost, the rate during the past year ranging from $3.25 to $4.00 a week. A list of inspected and approved rooms and boarding-places outside the quadrangles is kept on file at the Housing Bureau, Press Building, where information regarding them may be obtained.

SCHOLARSHIPS

A small number of scholarships, each yielding a portion of the tuition fees for an academic year (three quarters), are awarded annually to meritorious members of the Law School needing such assistance, in return for service in the Law Library. A preference is given to students of high rank. Scholarships for the Summer Quarter only are awarded separately upon similar terms. All applications for scholarships for the Summer Quarter and for the succeeding year by students already registered in the School should be made in writing to the Dean before June 1. Directions to entering students for making such applications will be sent upon request, the regulations governing them being somewhat different.

OTHER INFORMATION

For information regarding majors and minors, opportunities for self-help, University privileges, and other general matters, see this *Register*, p. 82.

ADMISSION TO THE LAW SCHOOL

PROFESSIONAL WORK

a) To candidacy for the degree of J.D.—Admission is granted:

1. To college graduates whose degrees represent college work equivalent to 27 majors (three years) in the University.

2. To students who have completed in the University or elsewhere 27 majors (three years) of college work.[1] Credit will be given for acceptable work done in

[1] By special permission of the Dean admission may be granted to students who have credit for but 24 majors, but such students must make up the deficiency before obtaining an academic degree from the University. Such permission will ordinarily be granted only in the Autumn Quarter to enable students to take advantage of courses beginning then. (See "The Quarter System," p. 335, above.)

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other institutions of collegiate rank. Before receiving the degree of J.D. such students must obtain from the University or from some other approved institution an academic degree, and are permitted to count toward this one year of law. See the statement below, p. 338, under "Degrees."

b) To candidacy for the degree of LL.B.—Admission is granted to students over twenty-one years old who have completed approved high-school or college work equivalent in amount to at least 15 units of admission credit to the University (the usual college-entrance requirement—ordinarily satisfied by four years of high-school work). This work must include 3 units in English. Certain special rules apply to students from the Junior Colleges. Candidates for this degree are strongly urged to complete at least one year of pre-legal work (see p. 340, below) before entering the Law School, and must maintain an average standing in their law work 10 per cent above the passing mark.

c) Unclassified students.—In rare instances students over twenty-one years old who cannot meet the above requirements will be admitted as unclassified students, if the Law Faculty is convinced that their previous training will enable them satisfactorily to pursue the work. Such students are not candidates for a degree.

ADVANCED STANDING IN PROFESSIONAL WORK

Students from other law schools of high grade, who are otherwise qualified to enter the School, will ordinarily receive credit, not exceeding two years in amount, for the satisfactory completion of work done there similar in character to that required here. Such credit will not exceed three majors for each quarter of law-school residence elsewhere. The right is reserved to refuse such credit, in whole or in part, save conditionally or upon examination, and credit given may be withdrawn for poor work. (See "Regulations," p. 339.)

Candidates for the degree of Bachelor of Laws must be twenty-two years old to be admitted to second-year standing and twenty-three years old to be admitted to third-year standing. Law work done elsewhere by students while inadmissible here for this degree will be credited toward it only upon examinations taken after they become admissible.

No credit will be given for work not done in residence at a law school.

GRADUATE WORK

College graduates, who are also graduates of a law school whose professional standards are equivalent to those required for membership in the Association of American Law Schools, and who give promise of ability to make a creditable contribution to legal scholarship, will, upon application to the Law Faculty, be admitted as candidates for a graduate Doctor's degree, whose designation will be announced later.

One fellowship paying $200 and tuition fees for a year is available to candidates for this degree, and may be awarded to a suitable applicant in the discretion of the Law Faculty. Applications therefor should be made not later than June 1.

ROUTINE OF ENTRANCE

Applications and correspondence should be addressed to JAMES P. HALL, Dean of the University of Chicago Law School, Chicago, Ill. A student from another institution should present his diploma or certificate of graduation; or, if

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he does not hold a degree equivalent to three years of college work in the University, he should bring a detailed statement of his work. Blank forms for such statements will be sent upon application. All credentials should be presented at the office of the Dean. In cases of doubt, correspondence is invited upon these matters before the student presents himself for admission. Directions for matriculation and registration will be furnished in the Dean's office.

DEGREES

Academic degrees.—The University permits 9 majors (one year) of work in the Law School to be counted toward the degrees of A.B., Ph.B., or S.B. by candidates for the degree of J.D., who do not already hold degrees which would admit them to the Graduate Schools of the University, whether their preceding college work was taken here or elsewhere, provided only that the college work, if done elsewhere, be acceptable for advanced standing, and that the specific requirements as to courses and quality of work done here for the particular degree sought be satisfied in each case. Subject to these requirements a student admitted with a maximum of 27 majors (three years) of credit from other colleges may obtain a college degree after the completion of one year of law work, but meanwhile must also register with the Dean of the College in which he desires to take this degree, who will determine what steps must be taken to comply with requirements. A circular stating the specific requirements for college degrees will be sent upon application.

A minimum residence of three quarters in the University is required of candidates for academic degrees, and both an academic and a law degree will not be conferred for less than six quarters of residence.

Professional law degrees.—The degree of Doctor of Law (J.D.) is conferred upon candidates therefor who are college graduates and have completed the professional course with an average standing 10 per cent above the passing mark. Law credit obtained by examinations taken before a student has taken 24 majors of college work will not be counted toward this degree.

The degree of Bachelor of Laws (LL.B.) is conferred upon candidates therefor who have completed the professional course with an average standing 10 per cent above the passing mark.

To obtain either of the professional degrees it is necessary to complete 27 majors of law work, distributed over nine quarters of law-school residence, of which at least 9 majors of work and three quarters of residence (including the last quarter for which credit is given) must have been at this School and not counted toward a law degree elsewhere. The work of the first year and the practice courses are required.

Candidates for either of the professional degrees who complete the course with high distinction will receive the degree *cum laude.*

No professional degree will be conferred upon any student markedly deficient in English, and no student may receive both a first academic and a professional degree in the same quarter.

Graduate law degree.—A graduate Doctor's degree, the designation of which will be announced later, will be conferred upon candidates therefor upon the fulfilment of the following requirements:

1. At least three quarters of residence at this school.

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2. The investigation, under the direction of the Faculty, of an approved subject, and the submission of a printed thesis thereon, which, in the judgment of the Faculty, constitutes a creditable contribution to legal scholarship.

3. The satisfactory completion of such other studies as the Faculty may in each case prescribe.

REGULATIONS

Law students who are candidates for an academic degree from the University must conform to the general rules and regulations governing Senior College students.

In any one quarter first-year students may not register for more than 3 majors, nor other students for more than 3½ majors of work, without the consent of the Dean.

Students may not take examinations (except to remove conditions or for advanced standing) in more than 10½ majors of resident work in any three consecutive quarters. Examinations upon the work of a former year are counted as of that year.

The work of the first year, the instruction in brief-making and legal argument, and the practice courses are required. The second- and third-year courses are elective and need not be taken in any fixed order.

To obtain credit toward a law degree for any work done in the School, students must pass the regular examinations, which are by printed questions to be answered in writing. Examinations in courses continuing more than one quarter will usually be held only at the completion of the course, and credit for the first part of a course is always provisional until its completion. *No special examinations will be given*, nor will partial credit be allowed for any uncompleted course, or for one in which the student has not passed in the examination. Additional examinations in *first-year subjects only* will be held the last week in September for admission to advanced standing and for the removal of conditions. *Application for admission to these examinations should be made not later than September 15.* Other conditions may be removed or advanced standing obtained at the regular examinations.

A student who has had but one examination in a course in which his grade is below the average required for a degree may take a second examination therein whenever it is regularly given, and his second grade shall replace the first. Two successive conditions in a course or a single grade more than 10 per cent below the passing mark is treated as a failure, and no re-examination in that course is allowed unless it is retaken in class.

Regular attendance at class exercises is required as a condition of receiving credit for work done, and the privilege of membership in the School may be withdrawn for unsatisfactory work or attendance.

PRACTICE, BRIEF-MAKING, AND PUBLIC SPEAKING

To familiarize students with the more generally prevailing rules of procedure in American courts, courses in practice are offered in the second and third years of the curriculum, which include a study of the processes of litigation and practical exercises in the preparation and trial of cases. Both courses are required of all law students.

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The former law clubs have been replaced by a moot court conducted by the School, in which every entering student is given opportunity to obtain some experience in brief-making and legal argument under competent supervision. Systematic instruction is also given in the use of digests and other legal search-books. All of this work is required of first-year students.

The University courses in public speaking and debate are open without extra charge to students of the Law School.

ORDER OF THE COIF

The Order of the Coif is a national law-school honor society, founded to encourage scholarship and to advance the ethical standards of the legal profession. Its members are selected during the Spring Quarter each year from the 10 per cent of the third-year class who rank highest in scholarship.

COURSES OF INSTRUCTION, 1917–18

PRE-LEGAL COURSES

Various studies especially valuable in the preliminary education of a lawyer have been designated as "pre-legal courses" and are enumerated below. Though not required, prospective law students are strongly advised to elect at least a year of work (chiefly in the third college year) from this group, and to choose their Junior College electives with this view. Candidates for the degree of LL.B. are also urged to take at least a year of pre-legal work before entering the Law School.

A choice among the courses offered in the University upon the following subjects is particularly recommended:

Principles of Political Economy and Political Science; Constitutional and Political History of the United States; National, Federal, State, and Municipal Government; Constitutional and Political History of England; Oral Debates and Argumentation; Bookkeeping and Accounting; Railway Transportation and Regulation of Rates; Economic and Social History; Finance, Money, and Banking; Financial and Tariff History; Labor and Industry; Organization of Business Enterprise; Introduction to Study of Society; Social Origins; Contemporary Society in the United States; Industrial Groups and Urban Communities; Charities and Social Treatment of Crime; Social Forces in Modern Democracy; Logic and Psychology; Political and Social Ethics.

With the approval of the Dean of the Law School other courses may also be accepted as pre-legal work, especially those offered in the Departments of Political Economy and Political Science, courses in English, American, and modern European history, and courses dealing with modern social and municipal problems. Students who have not had the course in Civil Government in the United States, or who have not completed the courses in English composition required in the Junior Colleges, should take these before entering the Law School.

NOTE.—For detailed information concerning the above-mentioned courses, see the *Announcements* of the Departments of Political Economy, Political Science, History, and Sociology which will be sent upon application to the UNIVERSITY OF CHICAGO.

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PROFESSIONAL COURSES

[The credit-value of courses of instruction is reckoned in majors and minors. Mj. = Major course, four hours weekly for one quarter. M. = Minor course, four hours weekly for one term. DM. = Double Minor course, eight hours weekly for one term. Twelve hours a week is full work. Many of the courses continue through more than one quarter, and for these no partial credit will ordinarily be given. Credit for the first part of a course is provisional until its completion.]

FIRST-YEAR COURSES

[The work of the first year is required.]

1A. Contracts I.—Mj. Autumn, ASSOCIATE PROFESSOR OLIPHANT. (2 sections.)

1B. Contracts II.—Mj. Winter, ASSOCIATE PROFESSOR OLIPHANT.

2. Torts.—DM. Summer, First Term; 1½Mjs. Autumn, (5 hours); Winter, First Term (5 hours), PROFESSOR HALL. (2 sections in Autumn.)

3A. Personal Property.—½Mj. Autumn, Second Term, PROFESSOR BIGELOW. (2 sections.)

3. Real Property.—Mj. Winter (5 hours), PROFESSOR BIGELOW. (2 sections in First Term.)

4. Agency.—1½Mjs. Winter, Second Term (2 hours); and Spring (5 hours), PROFESSOR MECHEM.

60. Criminal Law.—DM. Summer, Second Term, PROFESSOR JAMES; 1½Mjs. Winter, Second Term (2 hours); and Spring, PROFESSOR WOODWARD.

80A. Remedies.—½Mj. Autumn, First Term, PROFESSOR HINTON.

80. Common Law Pleading.—½Mj. Spring (4 hours), PROFESSOR HINTON.

SECOND- AND THIRD-YEAR COURSES

[These courses are elective, and need not be taken in any fixed order. Students are advised to postpone starred (*) courses to the third year. The practice courses are required.]

7. Persons.—Mj. Spring, PROFESSOR HALL.

[Omitted in 1917–18 and in alternate years thereafter.]

9. Damages.—Mj. Summer, PROFESSOR MECHEM; Mj. Spring, PROFESSOR HALL.

[Given in 1917–18 and in alternate years thereafter.]

14. Rights in Land of Another.—DM. Summer, First Term; Mj. Spring, PROFESSOR BIGELOW.

15. Wills and Administration.—Mj. Autumn, PROFESSOR FREUND.

16. Future Interests.—Mj. Autumn, PROFESSOR FREUND.

19. Mining and Water Rights.—DM. Summer, Second Term, PROFESSOR COSTIGAN.

[Given in 1917–18 and each third year thereafter.]

20. Equity I.—DM. Summer, Second Term, PROFESSOR SCHOFIELD; Mj. Winter, PROFESSOR WOODWARD.

21. Equity II.—½Mj. Winter (2 hours), MR. BILLS.

22. Equity III (including **Quasi Contracts**).—Mj. Spring, PROFESSOR WOODWARD.

24. Trusts.—1½Mjs. Autumn; and Winter, First Term, PROFESSOR WOODWARD.

30. Suretyship.—½Mj. Spring (3 hours), MR. BILLS.

[Omitted in 1917–18 and in alternate years thereafter.]

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31. Mortgages.—½Mj. Spring (3 hours), MR. BILLS.
[Given in 1917–18 and in alternate years thereafter.]

40. Sales.—1½Mjs. Winter, Second Term; and Spring, PROFESSOR MECHEM.

41. Bills and Notes.—1½Mjs. Winter, Second Term; and Spring, ASSOCIATE PROFESSOR OLIPHANT.

42. Public Service Companies and Carriers.—½Mj. Autumn (2 hours); and Winter, First Term (2 hours), ASSOCIATE PROFESSOR OLIPHANT.

44. Insurance.—½Mj. Autumn (3 hours), PROFESSOR BIGELOW.

50. Partnership.—1½Mjs. Autumn; and Winter, First Term (2 hours), PROFESSOR MECHEM.

***51. Private Corporations.**—1½Mjs. Summer; 1½Mjs. Autumn; and Winter, First Term, PROFESSOR MECHEM.

***52. Bankruptcy.**—½Mj. Autumn (3 hours), PROFESSOR WOODWARD.

63. Constitutional Law I.[1]—Mj. Winter, PROFESSOR HALL.

***64. Constitutional Law II.**[1]—Mj. Spring, PROFESSOR HALL.

65. Municipal Corporations.[1]—Mj. Summer, PROFESSOR FREUND; Mj. Winter, PROFESSOR ———.
[Given in 1917–18 and in alternate years thereafter.]

67. Administrative Law and Officers.[1]—Mj. Winter, PROFESSOR FREUND.
[Omitted in 1917–18 and in alternate years thereafter.]

68. Statutes.[1]—Mj. Summer; Mj. Winter, PROFESSOR FREUND.

69. Principles of Legislation.[1]—Mj. Winter, PROFESSOR FREUND.
[Given in 1917–18. See *Announcements* of Department of Political Science.]

***70. Conflict of Laws.**—1½Mjs. Winter, Second Term; and Spring, PROFESSOR BIGELOW.

71. International Law.[1]—Mj. Autumn, PROFESSOR JUDSON.
[See *Announcements* of Department of Political Science.]

81. Code Pleading.—½Mj. Winter (3 hours), PROFESSOR HINTON.

82. Equity Pleading.—½Mj. Spring (2 hours), PROFESSOR HINTON.

86. Evidence.—1½Mjs. Autumn; Winter, First Term; and Second Term (2 hours), PROFESSOR HINTON.

PRACTICE COURSES

90. Practice I.—DM. Summer, First Term; Mj. Winter, Second Term (2 hours); and Spring (3 hours), PROFESSOR HINTON.
[Required of second-year students.]

***91. Practice II.**—½Mj. Autumn (2 hours), PROFESSOR HINTON AND MR. BILLS.
[Required of third-year students.]

NON-CREDIT COURSES

Copyright Law. MR. REED. **Trademark Law.** MR. REED.
Admiralty Law. MR. KREMER. **Legal Ethics.** MR. ———.
Use of Law Books (with practical exercises). MR. SCHENK.
[Required of first-year students.]
Brief-Making and Legal Argument (with practical exercises). MR. BILLS.
[Required of first-year students.]

[1] Not credited toward a law degree if taken before courses 1, 2, and 3.

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IV. THE COURSES IN MEDICINE AND PREPARATORY TO MEDICINE

OFFICERS OF MEDICAL INSTRUCTION AND ADMINISTRATION

HARRY PRATT JUDSON, A.M., LL.D., President of the University.

ROBERT RUSSELL BENSLEY, A.B., M.B., Professor of Anatomy.

FRANK BILLINGS, Sc.D., M.D., Professor of Medicine.

ANTON JULIUS CARLSON, PH.D., Professor of Physiology.

CHARLES MANNING CHILD, PH.D., Professor of Zoölogy.

WILLIAM DRAPER HARKINS, PH.D., Professor of Chemistry.

LUDVIG HEKTOEN, Sc.D., M.D., Professor and Head of the Department of Pathology.

CHARLES JUDSON HERRICK, PH.D., Professor of Neurology.

EDWIN OAKES JORDAN, PH.D., Professor of Bacteriology; Chairman of the Department of Hygiene and Bacteriology.

FRANK RATTRAY LILLIE, PH.D., Professor of Embryology; Chairman of the Department of Zoölogy; Director of the Marine Laboratory, Woods Hole, Mass.

ALBERT PRESCOTT MATHEWS, PH.D., Professor of Physiological Chemistry.

ALBERT ABRAHAM MICHELSON, PH.D., Sc.D., LL.D., Professor and Head of the Department of Physics.

HORATIO HACKETT NEWMAN, PH.D., Professor of Zoölogy; Dean of Pre-medical Students.

JULIUS STIEGLITZ, PH.D., Chairman of the Department of Chemistry; Professor of Chemistry; Director of Analytical Chemistry.

MARION TALBOT, A.M., LL.D., Professor of Household Administration; Dean of Women.

HARRY GIDEON WELLS, A.M., M.D., PH.D., Professor of Pathology.

SAMUEL WENDELL WILLISTON, M.D., PH.D., Professor of Paleontology.

ARTHUR DEAN BEVAN, M.D., Professorial Lecturer on Surgery.

JOHN MILTON DODSON, A.M., M.D., Professorial Lecturer on Medicine; Dean of Medical Students.

WALTER STANLEY HAINES, A.M., M.D., Professorial Lecturer on Toxicology.

EPHRAIM FLETCHER INGALS, A.M., M.D., Professorial Lecturer on Medicine.

JOHN CLARENCE WEBSTER, M.D., F.R.C.P. (Edin.), Professorial Lecturer on Obstetrics and Gynecology.

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‡Basil C. H. Harvey, A.B., M.B., Associate Professor of Anatomy.
Preston Kyes, A.M., M.D., Associate Professor of Preventive Medicine.

George William Bartelmez, Ph.D., Assistant Professor of Anatomy.
‡Elbert Clark, Ph.D., M.D., Assistant Professor of Anatomy.
‡Norman MacLeod Harris, M.B., Assistant Professor of Bacteriology.
Fred Conrad Koch, Ph.D., Assistant Professor of Physiological Chemistry.
David Judson Lingle, Ph.D., Assistant Professor of Physiology.
Arno Benedict Luckhardt, Ph.D., M.D., Assistant Professor of Physiology.
John Foote Norton, Ph.D., Assistant Professor of Bacteriology.
Jean Felix Piccard, Sc.Nat.D., Assistant Professor of Organic Chemistry.
Hermann Irving Schlesinger, Ph.D., Assistant Professor of Chemistry.

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‡Albert Gordon Bower, M.D., Instructor in Bacteriology.
William Ernest Cary, Ph.D., Instructor in Bacteriology.
Leo Finkelstein, S.B., Instructor in General Chemistry.
John William Edward Glattfeld, Ph.D., Instructor in Chemistry.
Willis Eugene Gouwens, Curator in Chemistry.
Paul Gustav Heinemann, Ph.D., Instructor in Bacteriology.
‡Edwin Frederick Hirsch, M.D., Ph.D., Instructor in Pathology.
Harriet Fay Holmes, A.B., Special Instructor in Pathological Technique.
Charles Henry Swift, Ph.D., M.D., Instructor in Anatomy.
Shiro Tashiro, Ph.D., Instructor in Physiological Chemistry.
Ethel Mary Terry, Ph.D., Instructor in Chemistry.
Morris Miller Wells, Ph.D., Instructor in Zoölogy.
Gerald Wendt, Ph.D., Instructor in Analytical Chemistry.

George Emanuel Burget, S.B., Associate in Physiology.
George Thomas Caldwell, S.M., Associate in Pathology.
Carl Richard Moore, Ph.D., Associate in Zoölogy.
Raymond David Mullinix, S.B., Associate in Analytical Chemistry.
John George Sinclair, S.B., Associate in Zoölogy.

Elmer N. Bunting, Assistant in Qualitative Analysis.
George L. Clark, S.B., Assistant in Chemistry.
Carl Albert Dragstedt, S.M., Assistant in Physiology.
John Everett Gordon, S.B., Assistant in Bacteriology.
Homer Henry Helmick, S.B., Assistant in Physical Chemistry.
Marion Hines, Ph.D., Assistant in Anatomy.
Libbie Henrietta Hyman, Ph.D., Assistant in Zoölogy.
Emma Kohman, S.B., Assistant in Physiology.

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‡ Absent on leave.

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MORRIS KHARASCH, S.B., Lecture Assistant in Chemistry.
LOUIS M. LARSEN, S.M., Assistant in General Chemistry.
WILLIAM RAYMOND MEEKER, S.B., Assistant in Anatomy.
ARCHIBALD MCPHERSON, S.B., Assistant in Chemistry.
JEANNETTE BROWN OBENCHAIN, PH.B., Technical Assistant in Anatomy.
EDWARD N. ROBERTS, S.B., Assistant in Chemistry.
LATHROP EMERSON ROBERTS, S.B., Assistant in Chemistry.
JOHN EDWARD SCHOTT, S.B., Assistant in General Chemistry.
GEORGE FRED SUTHERLAND, PH.D., Assistant in Physiology.
RAYMOND CHARLES THOMPSON, S.B., Assistant in Physiological Chemistry.
JOHN CLAUDE WALLER, S.B., Assistant in Physiological Chemistry.
RICHARD W. WATKINS, S.B., Assistant in Anatomy.
SIDNEY WEISMAN, S.B., Assistant in Chemistry.
MARY WETTON, S.B., Assistant in Chemistry.

FELLOWS APPOINTED FOR 1917–18

IN THE DEPARTMENT OFFERING MEDICAL COURSES AT THE UNIVERSITY OF CHICAGO

RAY QUINCY BREWSTER, A.M., Chemistry.
HOWARD BENJAMIN CROSS, A.B., Zoölogy.
HERBERT HIRAM KING, S.M., Chemistry.
EDWARD CHARLES MASON, A.B., Physiological Chemistry.
CHARLES H. MILLIGAN, S.B., Chemistry.
FREDERICK WILLIAM MULSOW, A.B.
DAVID MCLAREN, A.M., Chemistry.
HENRY MAX MCLAUGHLIN, A.M., Chemistry.
BERNARD RAYMOND, S.M., Physiology.
MARY MEDA RISING, A.B., Chemistry.
HOWARD MARTIN SHEAFF, A.B., Physiological Chemistry.
WARREN BRAMAN SMITH, A.B., Anatomy.
HERMAN VANCE TARTAR, S.B., Chemistry.
BENJAMIN HARRISON WILLIER, S.B., Zoölogy.

INTRODUCTORY STATEMENT

For several years the University of Chicago has offered courses suitable for students who were preparing to undertake medical work, and also in several of the subjects usually included in the first two years of a medical college curriculum. In 1899 provision was made for courses in Practical Anatomy and under the arrangement of affiliation with Rush Medical College the University offered, during the session of 1899–1900, courses corresponding to all of the work of the Freshman year of that institution. Since June 19, 1901, the University offers instruction in all of the subjects of the first two years of the medical curriculum;

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namely, in Anatomy, both gross and microscopic, Neurology, Embryology, Physiology, Physiological Chemistry, Inorganic, Organic, and Analytical Chemistry, Toxicology, Pathology, Hygiene, Bacteriology, Pharmacology, Experimental Therapeutics, and Psychology. The student who has completed this work will be prepared to enter directly upon the clinical work, that is to say, the work of the third and fourth years of the medical school. All of the work of the first two years of Rush Medical College is offered at the University only. Students taking this work at the University will matriculate and register as students of Rush Medical College and likewise as students of the University. There will be no extra fee for such registration at the College.

Students are admitted to the Medical Courses who comply with the requirements for admission to the Junior Colleges of the University of Chicago, corresponding to the requirements for admission to the Freshman year of an institution of equal rank, and who have had, in addition, two years (eighteen majors) of college work. This preparation should include a thorough course in Mathematics, in German or French, and in Physics, Chemistry, and Biology. *Every student, however, should complete a four years' college course before entering the Medical Courses, if his age and other circumstances make it possible for him to do so.*

Students entering the Medical Courses who have not had the full amount of Physics, Chemistry, or Biology required for admission, and students seeking admission to advanced standing from other medical schools, are strongly advised to enter at the beginning of the Summer Quarter. No student is admitted with conditions.

The number of students admitted to the Medical Courses is limited to 100 in each class.

Attention is called to the fact that courses are offered in the Departments of Arts, Literature, and Science of the University in all the branches of a liberal education, and a medical student may take work in these branches by attendance during additional quarters or to a limited extent by extra work during his attendance upon the Medical Courses. Students desiring to take work of this character should consult with the Dean of Medical Students. Students may apply their credits in medical courses as Senior College electives for the Bachelor's degree.

LABORATORIES, EQUIPMENT, AND LIBRARIES

The medical instruction is given in the Anatomical, Physiological, and Zoölogical Laboratories, the Howard Taylor Ricketts Laboratory for Pathology and Bacteriology, and in Kent Chemical Laboratory. For a description of these laboratories and their equipment, and for information concerning the General Library and departmental libraries, see Part V of this *Register*.

GENERAL INFORMATION

FELLOWSHIPS AND SCHOLARSHIPS

(UNIVERSITY OF CHICAGO)

The Fellowships and Scholarships of the University are open to medical students on the same conditions as to other students of the University. A complete statement of these conditions, and of the value of the Scholarships and Fellowships, is given on pp. 87 and 96 of this *Register*.

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FELLOWSHIPS, HOSPITAL INTERNES, AND PRIZES

(RUSH MEDICAL COLLEGE)

A detailed statement of the fellowships, interneships, and prizes open to students of Rush Medical College is given in the annual *Circular of Information*, which may be had on application.

FEES FOR MATRICULATION, TUITION, DEPOSITS, AND APPARATUS

1. *Matriculation fee.*—(*a*) The matriculation fee is $5.00, and is required of every student on entrance to the University. It is payable but once. (*b*) A medical student will also matriculate as a student of Rush Medical College. No extra fee is charged, and the matriculation is good for the complete Medical Course, including the clinical years. (*c*) An undergraduate student, candidate for a Bachelor's degree, who wishes to take the Medical Course as a part of the work for the Bachelor's degree will matriculate also as a student of Rush Medical College at the beginning of the first year of his work in the Medical Course. No extra fee is charged, and the matriculation is good for the complete Medical Course, including the clinical years.

NOTE.—Matriculation for Rush Medical College can be accomplished at the University through the Dean of Medical Students.

2. *Tuition fee.*—(*a*) The tuition fee for the Medical Courses (3 to 3½ majors each quarter) is $60.00 per quarter, including all laboratory fees.

Under the medical-practice acts and the rules of the medical examining boards of most of the states of this country, an applicant for a license to practice must have attended at least four annual sessions in a recognized medical school. Therefore a student taking the Medical Courses with a view to procuring the degree of M.D. must matriculate *as a medical student* at least forty-five months before the date of his expected graduation in medicine. From the date of such matriculation he is required to pay the tuition fee for the Medical Courses, whether he is registered as a Senior College student, a graduate student, or as a Medical Course student.

In order that a graduate student or Senior or Junior College student may have his work counted toward the M.D. degree, he must be matriculated as a student of Rush Medical College and must each quarter secure from the Dean of Medical Students a card of advice as to registration, and must present this card to his own Dean on registering with him.

NOTE.—A student who is taking the medical courses with *no* intention of securing the medical degree, may, if he prefers, pay the usual University fees (see p. 84 of this *Register*).

(*b*) Students taking two majors or less will pay $25.00 per major. (*c*) All tuition and laboratory fees are due and payable on or before the *first* day of *each quarter*. All fees are payable to the Cashier, Press Building, Room 1.

Registration is not complete until all University bills are paid. Those who fail to meet this obligation within the first five days of the quarter are not regarded as members of the University. After the fifth day, to secure membership in the University the consent of the Dean and the payment of a fee of $5.00 for late registration will be required.

3. *Laboratory apparatus and supplies.*—(*a*) A compound microscope is required for most of the Medical Courses. Every student is strongly advised to

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purchase a good microscope, with an immersion lens, in order that he may become familiar with the same instrument which he will use after his graduation. Students not possessing a microscope may rent one from the Laboratory Supply Department at a cost of $1.50 per quarter for a compound microscope and $1.00 additional for an immersion lens. (*b*) All students taking courses in the Department of Physical Culture are required to provide themselves with a gymnasium suit for use in the gymnasium. The cost of such a suit is about $4.00. (*c*) Every student taking a course in the Department of Chemistry is required to obtain and deposit with the Curator a $5.00 coupon ticket to be used in the purchase of necessary apparatus and materials for the laboratory work. A new coupon ticket must be deposited on request of the Curator when materials used and breakage make the replenishment of the deposit necessary, balance of $2.50 being required at all times. No charges are made against these tickets without the knowledge of the student, and the unexpended balance is refunded to the student when he leaves the Department. (*d*) A student taking a course in any of the biological departments is required to obtain a $5.00 coupon ticket for the purchase of apparatus used and materials required in the course. When more than one biological course is taken, a coupon ticket for $10.00 must be purchased by the student. When the balance for a single course is reduced to $1.00 or to $2.00 for more than one course, further deposit of a $5.00 coupon ticket will be demanded by the Laboratory Supply Department. The balance mentioned is intended to serve as a deposit against avoidable loss, breakage, or damage in the laboratories. Each student will be charged for damage or loss for which he is individually responsible and for his *pro-rata* share of damage or loss, the responsibility for which cannot be individually located. The unexpended balance of each biological coupon ticket is refunded to the student shortly after the end of the quarter. (*e*) A student may procure a skeleton from the Osteological Laboratory on payment of a deposit of $12.00 for the same, or part of a skeleton on payment of a deposit of $6.00. The deposit will be refunded when the skeleton (or part) is returned uninjured. The necessary textbooks may be purchased at the University Press.

ROOMS, BOARD, AND GENERAL EXPENSES

For information concerning rooms, board, and general expenses, see p. 84 of this *Register*.

The following table will furnish an estimate of the annual expenses for thirty-six weeks of a medical student in the University. See also p. 85.

	Lowest	Average	Liberal
University bill, tuition*	$180.00	$180.00	$180.00
Rent and care of room	60.00	105.00	225.00
Board	135.00	162.00	225.00
Laundry	15.00	25.00	35.00
Textbooks and stationery	10.00	20.00	50.00
Total	$400.00	$492.00	$715.00

*Medical students attending the first quarter must pay the matriculation fee of $5 to the University.

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ADMISSION TO THE MEDICAL COURSES

ROUTINE OF ENTRANCE

Applications should be addressed to THE UNIVERSITY OF CHICAGO, Chicago, Ill. When presenting himself for admission to the University the student should bring his *admission credits* (see p. 97), if he is entering the Medical Course at its beginning; his *letter of dismissal* and an official statement concerning his previous work, if he is entering with advanced standing from another institution; and his *diploma*, if he is applying for admission to a Graduate School.

These documents should be presented at the office of the Dean of Medical Students, Cobb Lecture Hall. Detailed directions will be furnished in the Dean's office as to the mode of matriculating and registering for courses of instruction desired.

GENERAL REGULATIONS

Students are admitted to the Medical Courses: (1) as *undergraduate students* (candidates for a Bachelor's degree, S.B., A.B., or Ph.B.). (2) *Graduates* of the University of Chicago, or of other universities or colleges of good standing, are admitted to the Medical Courses as medical students; they are allowed all the privileges of the members of the Graduate Schools of the University. (3) In addition to students in regular standing, provision is made for the admission to the University of undergraduate students not seeking degrees. Such students are known as *unclassified students*. They may register for medical subjects, but they are not candidates for the M.D. degree until they have fulfilled the requirements for admission.

1. *Admission.*—(*a*) Each student must present to the Faculty certificates of good moral character, signed by at least two physicians of good standing in the state in which the applicant last resided. Blank certificates for this purpose may be had on application to the Dean. (*b*) He must be able to comply with the requirements for admission to the Medical Courses of the University of Chicago. In brief, they consist of a four-year high-school course, plus two years of college work, which must have included Trigonometry, College English, College Physics, General Chemistry and Biology, and a reading knowledge of German or French. *No student is admitted with conditions in any of the required subjects.* (*c*) He will matriculate and register as a student of Rush Medical College as well as of the University at the beginning of his course. Such matriculation and registration are accomplished at the University without extra fee.

2. *Medical Courses as undergraduate work in the course for a Bachelor's degree.*—(*a*) The first two years' work in Medicine may be taken as the third and fourth years of the Bachelor of Science course, or, in very large part, of the course for the degree of A.B. or Ph.B.

Students who wish to enter college and prepare to take the medical work as part of their Baccalaureate course may enter at the beginning of the Junior College course (first college year) or at any further stage of advancement.[1]

[1] A student desiring to enter the course as a candidate for the S.B., A.B., or Ph.B. degree is requested to consult pp. 117–18 of this *Register*, where a complete statement is given of the requirements for the college degrees and of the conditions for admission to advanced standing in the Colleges. He is also invited to enter into correspondence upon the subject with the Dean of the Senior Colleges, the UNIVERSITY OF CHICAGO, Chicago, Illinois.

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(*b*) Each student must comply with 1 (*a*). (*c*) In order to comply with the rules of the medical examining boards of several states, a student will matriculate with the Dean of Rush Medical College (at the University) at the beginning of his work in Medicine. He will consult with the Dean of Medical Students each quarter in regard to his work and take a card of advice to the Dean of the Senior Colleges, with whom the student will continue to register until he receives a Bachelor's degree. *Credit will not be given toward the M.D. degree unless the student complies with this regulation.*

3. *Admission as a graduate student.*—(*a*) Admission to the Graduate Schools of the University is granted (1) to those who have been graduated from the Colleges of the University of Chicago with the degree A.B., Ph.B., or S.B.; (2) to those holding Baccalaureate degrees from other institutions of good standing. (*b*) Application for admission in the case of students not graduates of the University should be accompanied by testimonials as to character and scholarship. Such testimonials should take the form of diplomas, written or printed theses, or satisfactory evidence in some other form of the student's fitness for admission. (*c*) A graduate student taking the Medical Courses must comply with 1 (*a*) and 1 (*c*). He will consult each quarter with the Dean of Medical Students and will take a card of advice from him to the Dean of the Graduate School, with whom the student will register. *Credit will not be given toward the M.D. degree unless the student complies with this regulation.*

4. *Unclassified students.*—Persons at least twenty-one (21) years of age not seeking a degree may be admitted, through the office of the University Examiner, to the courses of instruction offered in the University, as unclassified students, on the following conditions:

1. They shall present (*a*) credentials showing the completion of work equivalent to the admission requirements of the Colleges, or (*b*) evidence of successful experience as a teacher or other valuable educative experience in practical life.

2. Each applicant shall present by certificate or examination evidence of training in English at least equivalent to the entrance requirements of the Colleges in that subject. This requirement may be waived in the case of foreign students of ability who have a sufficient knowledge of the English language to profit by the instruction offered.

3. They shall give satisfactory reason for not classifying and becoming candidates for degrees.

4. They enter the University for the purpose of making a study of a definite subject or group of subjects for which adequate preparation has been received. In case of doubt as to the applicant's ability to pursue successfully the work desired, the approval of the instructor to whose courses admission is sought, or of an official representative of the department concerned, will be required.

5. They may not register for elementary courses only, i.e., courses intended for first-year college students.

6. They are subject to the general regulations pertaining to other undergraduates, including attendance at Chapel Assembly and work in Physical Culture.

7. They are ineligible for public appearance.

NOTE.—Students entering the University for the first time should make it a point to complete all arrangements for entrance, either by correspondence or in person, at least two days before the opening of the quarter.

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REQUIREMENTS FOR ADMISSION TO THE MEDICAL COURSES

These comprise (*A*) the successful completion of a four-year high-school or academy course, qualifying the student to enter the Junior College (Freshman class) of the University of Chicago, and (*B*) 18 majors (=6 quarters) of the usual college course, or a full equivalent therefor.

HIGH-SCHOOL WORK REQUIRED FOR ADMISSION TO THE JUNIOR COLLEGE (FRESHMAN CLASS), UNIVERSITY OF CHICAGO

(*a*) The high-school work imperatively demanded of every student is fully described on p. 97. (*b*) Students intending to study medicine are strongly advised to take in the high school 2 units of Latin (elementary grammar and Caesar), 3 units of German or French, 1 unit each of Chemistry and Physics—with laboratory work—and ½ unit of Trigonometry. If these branches have not been taken in the high school, they must be taken as part of the college work required for admission [see (*B*) above]. A diploma is not accepted as sufficient evidence of such preparation, but specific statement is required as to the amount and character of the work in each branch of study. Blanks are furnished by the University for the presentation of such credits, and will be mailed on application to the Dean of Medical Students.

Such credits are accepted without examination from co-operating schools (see p. 114); also from the accredited schools of certain state universities. Students from schools not recognized by the University must submit to examination in the branches required.

1. *Times and places of examinations.*—Examinations for admission are held twice a year at the University. (For dates see pp. 99–100.)

2. *Fee for examination for admission.*—A fee of $5.00 is charged for examination for admission. This is paid when the first examination is taken. The same fee is paid by students entering upon certificate from co-operating schools.

3. *Students from the University High School and the co-operating schools* are admitted to the University upon presentation of a *subject certificate* covering each of the subjects stated above as required for admission.

4. *Credits from other than co-operating schools.*—Credits for work done at high schools or academies not co-operating will be accepted provisionally, provided the principal of the school will certify that the applicant has done good work in the school, and that he is willing the student's credits should be accepted by the University of Chicago as a test of the character of the work done in that school. By provisional acceptance of credit it is meant that such acceptance will be withdrawn if the student's work in the University during his first two quarters of residence fails to show that his preparation was adequate in the branches for which he sought credit.

COLLEGE WORK REQUIRED FOR ADMISSION

Eighteen majors (2 years) of college work must have been taken, and this work must have included the following branches:

1. Trigonometry—1 major.

2. Chemistry—(*a*) 3 majors of Inorganic Chemistry (or 2 majors, if 1 unit of high-school Chemistry with laboratory work has been taken). (*b*) 1 major of Organic Chemistry. (*c*) 1 major of Qualitative Analysis. This work in Chemistry corresponds to the courses Chemistry 1, 2, 3, 4, and 6 (see Department of

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Chemistry, Part II of this *Register*). The student is advised to take Quantitative Analysis, but this is not required.

3. Physics—4 majors of Physics (or 2 majors, if 1 unit of high-school Physics has been taken). This work in Physics corresponds to the courses Physics 1, 2, 3S, and 4S (see Department of Physics, Part II of this *Register*).

4. Two majors General Biology equivalent to Zoölogy 1 and 17 (see Department of Zoölogy, Part II of this *Register*).

5. A reading knowledge of German or of French (ordinarily 2 units of high-school or 4 majors of college work). This qualification is determined by an efficiency test given for 1917–18 about November 24, 1917.

6. Three majors of Latin (Caesar and elementary grammar) unless 2 units have been completed in high school.

7. English—2 majors of college work.

Attention is called to the fact that extra credits which will be required in addition to high-school work may be secured in the Colleges of Arts, Literature, and Science of the University of Chicago by attendance during extra quarters before entering the Medical Courses. *No student is admitted with entrance conditions.* Credit will be accepted for such work in any other college or university of equal standing.

ADMISSION TO ADVANCED STANDING

Students are admitted to advanced standing in the Medical Courses of the University as follows:

Students from other medical schools whose standards are fully equivalent to those of this institution may receive credit for time spent—estimated in months—and for work successfully completed in such institutions, provided it is equivalent to corresponding work in the Medical Courses in the University. Such a student should give an explicit statement in regard to his preliminary education before beginning the study of Medicine, the date of beginning and ending of each session attended in a medical college, together with the name of the college and a statement of the studies which he has successfully completed, this latter statement setting forth, if possible, the exact number of hours given to each subject. The credit claimed in each branch must be passed upon by the Dean of Medical Students or by the head of the corresponding department at the University. As the number of students admitted to each class is limited to 100, very few students can be admitted from other medical schools to the Sophomore class.

Application blanks.—Blanks for presenting these credits will be furnished on application to the Dean of Medical Students. A student may matriculate at any time, in person or by correspondence.

Students seeking admission to advanced standing are urgently advised to enter for the Summer Quarter.

THE QUARTER SYSTEM

The academic year is divided into four quarters. See p. 82.

THE MEDICAL CURRICULUM AS RELATED TO THE QUARTER SYSTEM

The general course of instruction in Rush Medical College requires four years of study in residence, with a minimum of attendance during three quarters of each year. These years are designated as the Freshman, Sophomore, Junior, and Senior years, respectively.

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A student may begin his college work on the first day of any quarter, and may continue in residence for as many successive quarters as he desires, and will receive credit for work accomplished. Attendance during all the four quarters of the year is optional, but will not secure a time credit of more than one year in a medical school. At least forty-five months must elapse between the date of the first matriculation and the date of graduation. Under the restrictions imposed, this system does not conflict with the existing medical-practice acts, nor with the rulings of the various State Boards of Medical Examiners.

THE SUMMER QUARTER

Attention is directed to the special opportunities afforded for medical study in the Summer Quarter. The climate of Chicago is particularly well adapted to midsummer work. Instruction in all departments is given in the Summer Quarter.

THE WORK OF THE MEDICAL COURSE FOR THE FRESHMAN AND SOPHOMORE YEARS

1. *Outline of the course.*—The course for the first two years' work in Medicine consists mainly of instruction in the fundamental medical sciences: Human Anatomy, Histology, Neurology and Embryology, Physiology, Physiological Chemistry, Pharmacology, Bacteriology, and Pathology. All this work is given at the University of Chicago.

2. *Amount of work.*—The amount of work required is 18 majors.

3. *The curriculum.*—The following courses constitute the curriculum recommended for and pursued by the majority of the students:[1]

a) *Chemistry*, The Chemistry of Medicinal Drugs, ½ major (85).[2]

b) *Anatomy*, 6½ majors, as follows: Human Anatomy (Dissection), 3½ majors (1, 2, 3, 4); Splanchnology, Histology, and Cytology, 1 major (10); Embryology, 1 major (Zoölogy 20 or 21); Neurology, 1 major (Anatomy 17).

c) *Physiology*, 5½ majors, as follows: Physiology, 3 majors (12, 13, 14); Physiological Chemistry, 1½ majors (19 and 20); Pharmacology, 1 major (21).

d) *Pathology*, 2 majors, as follows: Pathology (1, 2).

e) *Hygiene and Bacteriology*, 1½ majors, as follows: Bacteriology, 1½ majors (2).

f) Two additional majors in any branch or branches of the student's choice.

4. *Election of medical courses.*—Students with adequate preparation and special qualifications are permitted to elect other courses (usually advanced or research work) in lieu of some of those above prescribed.

In electing his work the student should bear in mind: (*a*) That the right of election must be confirmed in writing in advance by the Dean and by the head of the department concerned; (*b*) that his registration for each quarter must receive the approval of the Dean; (*c*) that the prerequisites for any course must have been satisfied before the course can be elected; (*d*) that a minimum amount of work in the several branches is required for graduation in Medicine.

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[1] Detailed statements concerning the courses are given under the various departments of instruction. They should be consulted in every case *in regard to equivalent courses which may be submitted for those whose numbers are given in the foregoing schedule.*

[2] The numbers in parentheses refer to the course numbers in the corresponding department.

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5. *Arrangement of courses.*—The order of courses has been arranged in such a way as to insure so far as possible for the student beginning his medical studies with any single quarter of the year a complete annual course during any three consecutive quarters; *but students are advised to begin their medical work proper with the Autumn or Spring Quarter.*

ARRANGEMENT OF COURSES FOR SIX QUARTERS

Many of the required medical courses are given twice or, including the Summer Quarter, three times in one year. The fifteen majors of required and three majors of elective work may be taken in any order or combination desired by the student, provided he has the necessary preparation for each course when taken, as indicated by the prerequisite courses. In the following tables under Groups I and II are given two arrangements of the courses for a normal two years' course for an average student, covering the Autumn, Winter, and Spring Quarters for two successive years.

Since many of the courses are repeated in the Summer Quarter, courses are indicated in their proper sequence for the convenience (*a*) of such students as wish to start their work in the Summer Quarter instead of in the Autumn; (*b*) of such students as wish to go in the Summer Quarter after three quarters of work; (*c*) of such as wish to complete their work in the Summer Quarter after six or more quarters of work. The courses offered in the Summer Quarter are intended to be fully equivalent to those given in the other quarters.

SUMMER QUARTER, 1917

Group I	Group II
*Histology, Anatomy 10 Prerequisite: Biology, 2Mjs. *Embryology, Mj., Zoölogy 20 Prerequisite: Histology Neurology, Mj., Anatomy 17 Prerequisite: Histology Bacteriology, 1½Mjs., Bacteriology 2 Physiological Chemistry, Mj., Physiology 19 Prerequisite: Organic Chemistry †(Organic Chemistry, 1½Mjs., Chemistry 33, 34.)	Same as Group I

*Students are strongly advised to take Histology and Embryology as part of the college work required for admission. It is of decided advantage to complete these courses before beginning Gross Anatomy (Dissection).

† Organic Chemistry is an entrance requirement and is not considered as a course in Medicine.

AUTUMN QUARTER, 1917

Group I	Group II
Histology, Mj., Anatomy 10 Dissection, 2Mjs., Anatomy 1, 2 Elective, ½Mj.	Histology, Mj., Anatomy 10, or Embryology, Mj., Zoölogy 20 Prerequisite: Histology Dissection, 1 or 2Mjs., Anatomy 1, 2, or Organic Chemistry, Mj., Chemistry 4

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WINTER QUARTER, 1918

Group I	Group II
Neurology, Mj., Anatomy 17 Prerequisite: Histology Dissection, Mj., Anatomy 3 or 4 Physiological Chemistry, Mj., Physiology 19 Prerequisite: Organic Chemistry	Physiological Chemistry, Mj., Physiology 19 Prerequisite: Organic Chemistry Dissection, 1 or 2Mjs., Anatomy 2 or 3, or Histology, Mj., Anatomy 10, or Neurology, Mj., Anatomy 17

SPRING QUARTER, 1918

Group I	Group II
Physiology, Mj., Physiology 12 Prerequisite: Physiological Chemistry, Physiology 19 Embryology, Mj., Zoölogy 20 Dissection, Mj., Anatomy 3 or 4, or Bacteriology, 1½Mjs., Bacteriology 2 Prerequisite: Physiological Chemistry 19	Physiology, Mj., Physiology 12 Prerequisite: Physiological Chemistry 19 Neurology, Mj., Anatomy 17 Prerequisite: Histology Dissection, Mj., Anatomy 3 or 4, or Bacteriology, 1½Mjs., Pathology 21, or Physiological Chemistry, Mj., Physiology 20 (Prerequisite: Physiological Chemistry 19), or Embryology, Mj., Zoölogy 20 Prerequisite: Histology

SUMMER QUARTER, 1918

Group I	Group II
Same courses as Summer Quarter, 1917, and Physiology, Mj., Physiology 13 Prerequisite: Physiology 12 Pharmacology, Mj., Physiology 21 Prerequisite: Physiology 12, 13, 14, 19, 20.	Same as Group I

AUTUMN QUARTER, 1918

Group I	Group II
Physiology, Mj., Physiology 13 Prerequisite: Physiology 12 Physiological Chemistry, Mj., Physiology 20, or Dissection, Mj., Anatomy 3 or 4, or Bacteriology, 1½Mjs., Bacteriology 2, or Pathology, Mj., Pathology 1 Prerequisite: Bacteriology 2	Physiology, Mj., Physiology 13 Prerequisite: Physiology 12 Physiological Chemistry, Mj., Physiology 20 (Prerequisite: Physiology 19), or Dissection, Mj., Anatomy 3 or 4, or Embryology, Mj., Zoölogy 20, or Bacteriology, 1½Mjs., Bacteriology 2, or Pathology, Mj., Pathology 1 Prerequisite: Bacteriology 2

WINTER QUARTER, 1919

Group I	Group II
Physiology, Mj., Physiology 14 Prerequisite: Physiology 13 Pathology, Mj., Pathology 1 Elective, Mj.	Same as Group I

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SPRING QUARTER, 1919

Group I	Group II
Pharmacology, Mj., Physiology 21 Prerequisite: Physiology 12, 13, 14, 19, 20 Chemistry of Drugs, ½Mj. Prerequisite: Organic Chemistry Pathology, Mj., Pathology 2 Elective, Mj	Same as Group I

SUMMER QUARTER, 1918

Group I	Group II
Same courses as Summer Quarters, 1915 and 1916, and Pharmacology, Mj., Physiology 21 Prerequisite: Physiology 12, 13, 14, 19, 20 Pathology, 2Mjs., Pathology 1 and 2	Same as Group I

SUPERVISION OF WORK

In addition to the regular supervision of the Dean, the grades of medical students are reviewed each quarter by the Committee on Promotions, representing all the departments giving medical instruction of the first two years. If a student's work is poor, the committee may revise or limit his registration, and, if deemed necessary, may request his withdrawal from the Medical Courses.

Certificate of completion of the first 18 majors.—On completion of his first two years in Medicine, the work of each student is reviewed by the Committee on Promotions. If his work is considered satisfactory, a certificate of completion of the first 18 majors of medical studies is issued. If his work is considered unsatisfactory or doubtful, the committee may require further work in one or more departments, or subject the student to such examination as may be deemed necessary. *No student is admitted to the Junior class in Rush Medical College without the above-mentioned certificate.* Students with conditions in work of the first two years are sometimes permitted to proceed with their clinical studies, but such permission does not constitute admission to the Junior class.

DEGREES

REQUIREMENTS FOR THE COMBINED CURRICULUM FOR THE DEGREES OF S.B. AND M.D.

Students seeking a Bachelor's degree (A.B., Ph.B., or S.B.) from the University of Chicago, in connection with the degree of M.D. from Rush Medical College, must comply with the established regulations of the University prescribed for the courses leading to such degrees. As the fundamental branches of the medical curriculum are taught in the University, the student may combine the course for a Bachelor's degree with that for the Medical degree, electing as science courses those offered in the Departments of Anatomy, Physiology, etc., which are also courses in the medical curriculum.

While it is thus possible for one to secure a Bachelor's degree and the degree of M.D. in from six to six and one-half years, *every student should secure a more*

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thorough and comprehensive collegiate preparation if it is possible for him so to do. For students taking this broader course, the following subjects are recommended as of especial value in preparation for medical study: Greek, 3 majors; Calculus, 1 major; Elementary Botany, 1 major; General Morphology of Thallophytes, 1 major; Introductory Physiology, 1 major; Zoölogy, 3 majors; Physical Chemistry, 1 major; Quantitative Chemical Analysis, 1 major; Physiography, 1 major; Psychology, 2 to 4 majors.

Applicants for admission to advanced standing in the courses for the degrees of A.B., Ph.B., or B.S., at the University of Chicago, should apply to the University for the *Circular of Information* of the Colleges and Graduate Schools.

REQUIREMENTS FOR GRADUATION IN RUSH MEDICAL COLLEGE

The following are the requirements for the degree of Doctor of Medicine:

The candidate must not be less than twenty-one years of age, and must have studied medicine for the legal period. He must have paid all dues, must have complied with all the requirements, and must have maintained unexceptional conduct while at the College.

He must have attended twelve full quarters, or an equivalent amount of time, in a recognized medical school, of which at least the last three quarters must have been in this institution, and forty-five months must have elapsed between the beginning of his first course of medical lectures and completion of the fourth year, *and must complete a fifth year, consisting of service as an interne in a hospital approved by the Faculty or of a year of advanced work in one of the departments of the College and the presentation of a thesis.*

He must have completed successfully all of the work required, as follows: 18 majors of work in the Freshman and Sophomore years, comprising a minimum of 6½ majors in Anatomy (from courses offered in the Department of Anatomy and Neurology and the sub-department of Embryology; these courses include both Gross and Microscopic Anatomy[1]); 6 majors in Physiology (from courses offered in the Department of Physiology; 3 majors in Physiological Chemistry and Pharmacology); 3½ majors in the Departments of Pathology and Hygiene and Bacteriology; 2 majors in one or more of the departments of his choice.

His work for the first two years must be pronounced satisfactory by the Committee on Promotions, when a certificate for the completion of the first 18 majors of medical work will be issued to him.

He must have completed 21 majors of work in the Junior and Senior years, comprising a minimum of 2 majors in Pharmacy, Materia Medica, Therapeutics, and Preventive Medicine; 1 major in Pathology; 5½ majors in Medicine; 5½ majors in Surgery, at least 1 major of which must be in Surgical Anatomy; 3 majors on Obstetrics and Gynecology, at least 2 majors of which must be in Obstetrics; 1.2 majors in Laryngology and Otology; .8 major in Ophthalmology; 1 major in Skin and Venereal Diseases, at least .4 major in each; 2 additional majors in any branch or branches of his choice.

He must have passed successfully a *final examination*, both written and practical, in Materia Medica and Therapeutics; Pathology; Medicine; Surgery;

[1] They must include the dissection of the lateral half of the human body.

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Obstetrics and Gynecology; Laryngology and Otology; Ophthalmology; Skin and Venereal Diseases.

He must attend the graduating exercises and receive his diploma in person, unless excused for cause by special action of the Faculty.

COURSES OF INSTRUCTION

The work of the first two years of the curriculum of Rush Medical College is included in these courses. Descriptions of the courses in Medicine and preparatory to Medicine, of advanced and research courses, statements as to the scope of the work in different subjects, and the names of the instructing staff may be found in connection with the departmental announcements in this *Register*, as indicated below.

THE DEPARTMENT OF CHEMISTRY

(For courses in this Department see pp. 248–51)

General and Organic Chemistry and Qualitative Analysis are now prerequisites to the medical courses proper. The necessary knowledge of the subject can be obtained from Chemistry 1, 2, 3, 4, and 6 or Admission Chemistry and 2S and 3S, 4, and 6.[1]

Organic Chemistry 33 and 34 (Mj.), Summer Quarter, or 14 and 15 (2Mj.) may be substituted for course 4.

Students who are preparing for the study of medicine, and who are also candidates for a Bachelor's degree in the University of Chicago, are strongly recommended to take at least two majors more of Chemistry, viz., Quantitative Analysis 8 and Physical Chemistry (see pp. 249–50).

Candidates for a Bachelor's degree who expect to do research work in Physiology or allied medical subjects may with advantage elect further courses from the following: Quantitative Analysis 9; Organic Chemistry 30, 31, and 32; or Advanced General Chemistry 55 (see pp. 249–50).

Course 85, the Chemistry and Preparations of Medicinal Drugs, ½Mj., is required in the medical curriculum.

THE DEPARTMENT OF ZOŎLOGY

(For courses in this Department see pp. 262–63)

One major of Vertebrate Embryology is required in the medical curriculum: course 20 or 21.

THE DEPARTMENT OF ANATOMY

(For courses in this Department see p. 265)

The required dissection is included in courses 1, 2, 3, and 4; Splanchnology, Histology, and Cytology in course 10. Anatomy 17 (Neurology) is also required.

For Embryology see Department of Zoŏlogy.

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[1] Medical students who enter without receiving credit for High-School Chemistry are required to take General Chemistry, courses 1, 2, 3, 4, and 6.

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THE DEPARTMENT OF PHYSIOLOGY

(For courses in this Department see pp. 267–68)

Pre-medical students may profitably elect courses 1 and 2.

The minimum work for medical students includes courses 12, 13, and 14.

Optional courses are also offered in the Department of Psychology (see p. 125.)

THE DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY AND PHARMACOLOGY

(For courses in this Department see pp. 270–71)

The required work in Physiological Chemistry consists of courses 19 and 20; that in Pharmacology, of course 21.

THE DEPARTMENT OF PATHOLOGY

(For courses in this Department see p. 276)

Course 1, General Pathology, and Pathological Histology, and course 2, Pathology of Infections, Granulomas and Tumors, are required in the medical curriculum.

THE DEPARTMENT OF HYGIENE AND BACTERIOLOGY

(For courses in this Department see p. 278)

Course 2B, Pathogenic Bacteria, is required in the medical curriculum.

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V. THE SCHOOL OF EDUCATION

OFFICERS OF ADMINISTRATION

HARRY PRATT JUDSON, President of the University, Harper Memorial Library, Room W11.

CHARLES HUBBARD JUDD, Director of the School of Education, Emmons Blaine Hall, Room 199.

WILLIAM SCOTT GRAY, Dean of the College of Education, Emmons Blaine Hall, Room 100.

FRANKLIN WINSLOW JOHNSON, Principal of the University High School, Henry Holmes Belfield Hall, Room 164.

HARRY ORRIN GILLET, Principal of the Elementary School, Emmons Blaine Hall, Room 301A.

OFFICERS OF INSTRUCTION

THE COLLEGE OF EDUCATION

HARRY PRATT JUDSON, A.M., LL.D., President of the University.

CHARLES HUBBARD JUDD, PH.D., LL.D., Director; Professor and Head of the Department of Education.

WILLIAM SCOTT GRAY, PH.D., Dean; Assistant Professor of Education.

FRANKLIN WINSLOW JOHNSON, A.M., Principal of the High School; Lecturer in Secondary Education.

NATHANIEL BUTLER, A.M., LL.D., Professor of Education.

GEORGE WILLIAM MYERS, PH.D., Professor of the Teaching of Mathematics and Astronomy.

SAMUEL CHESTER PARKER, A.M., Professor of Education.

WALTER SARGENT, Professor of Art Education.

JAMES HAYDEN TUFTS, PH.D., LL.D., Professor and Head of the Department of Philosophy.

ZONIA BABER, S.B., Associate Professor of the Teaching of Geography and Geology.

JOHN FRANKLIN BOBBITT, PH.D., Associate Professor of School Administration.

ELLIOTT ROWLAND DOWNING, PH.D., Associate Professor of Natural Science.

‡MARTHA FLEMING, Associate Professor of the Teaching of Speech, Oral Reading, and Dramatic Art.

FRANK NUGENT FREEMAN, PH.D., Associate Professor of Educational Psychology.

MARCUS WILSON JERNEGAN, PH.D., Associate Professor of the History of Education.

FRANK MITCHELL LEAVITT, Associate Professor of Industrial Education and Supervisor of Industrial Education.

‡ Retired.

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ROLLO LAVERNE LYMAN, A.M., Associate Professor of the Teaching of English.
DUDLEY BILLINGS REED, A.B., M.D., Associate Professor of School Hygiene.
‡EMILY JANE RICE, PH.B., Associate Professor of the Teaching of History.
HERMAN CAMPBELL STEVENS, PH.D., M.D., Associate Professor of Education.

SHATTUCK O. HARTWELL, A.B., Superintendent of Schools, Muskegon, Mich.; Professor of Education (Summer, 1917).
JOSEPH L. HENDERSON, PH.D., Director of the Department of School Visitation, University of Texas; Professor of Education (Summer, 1917).
EDWARD ALANSON MILLER, A.M., Professor of Education, Oberlin College; Professor of Education (Summer, 1917).
GEORGE LUCAS ROBERTS, A.M., Professor of Education, Purdue University; Professor of Education (Summer, 1917).
WILLIAM ANTON SCHMIDT, PH.D., Professor of Education, University of Oklahoma; Professor of Education (Summer, 1917).
JOHN ELBERT STOUT, PH.M., Professor of Education, Cornell College; Professor of Education (Summer, 1917).

KATHARINE BLUNT, PH.D., Assistant Professor of Food Chemistry, Department of Home Economics.
FREDERICK STEPHEN BREED, PH.D., Assistant Professor of Education.
CORA C. COLBURN, Assistant Professor of Institution Economics.
ETHELWYN MILLER, A.B., S.B., Assistant Professor of Home Economics.
HAROLD ORDWAY RUGG, PH.D., Assistant Professor of Education.
ALICE TEMPLE, ED.B., Assistant Professor in Kindergarten Training.
ROLLA MILTON TRYON, PH.D., Assistant Professor of the Teaching of History.
GERTRUDE VAN HOESEN, A.M., Assistant Professor of Home Economics.
WILLIAM GARRISON WHITFORD, PH.B., Assistant Professor of Aesthetic and Industrial Education.
JOSEPHINE YOUNG, M.D., Assistant Professor of Neurology; School Physician.

EDWARD HERBERT CAMERON, PH.D., Assistant Professor of Education, Yale University; Assistant Professor of Education (Summer, 1917).
ARTHUR WILLIAM DUNN, A.M., Specialist in Civic Education, United States Bureau of Education, Washington, D.C.; Assistant Professor in the Teaching of History, Civics, and other Social Studies (Summer, 1917).

RUTH ABBOTT, B.S.L., Librarian.
BERNICE ALLEN, ED.B., S.B., Instructor in Home Economics.
LILLIAN CUSHMAN BROWN, PH.B., Instructor in Art.
CLARENCE LEON CLARKE, PH.B., Instructor in Education.
MARION GIFFIN DANA, S.B., Instructor in Institution Economics.
HELEN DICKEY, A.B., Instructor in Institution Economics.
JOSEPH FRANCIS GONNELLY, A.M., Instructor in Education.
AGNES KEITH HANNA, Instructor in Home Economics.

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‡ Retired.

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HELEN HICKS, S.B., Instructor in Institution Economics.
ANTOINETTE HOLLISTER, PH.B., Instructor in Clay Modeling.
FRANCES BEATRICE HUNTER, S.B., Instructor in Home Economics.
CLARA BLANCHE KNAPP, A.M., Instructor in Home Economics.
KATHARINE MARTIN, Instructor in Kindergarten-Primary Education.
ELIZABETH ERWIN MILLER, PH.B., Instructor in Art.
MABEL BARBARA TRILLING, Instructor in Home Economics.
ELIZABETH WILHELMINA MILLER, A.M., Instructor in Home Economics.
ELLA CLARK MCKENNEY, Instructor in Institution Economics.
SUSANNE USHER, S.B., Instructor in Institution Economics.
ETHEL WEBB, S.B., Instructor in Home Economics.

RUTH ATWATER, Instructor in Cookery, Pratt Institute, New York; Instructor in Home Economics (Summer, 1917).

FRANCES M. BERRY, PH.B., Instructor in Kindergarten Education, Detroit Normal School; Instructor in Kindergarten-Primary Education (Summer, 1917).

HENRY M. BUERCKHOLTZ, University High School; Instructor in Manual Training (Summer, 1917).

WILBERT LESTER CARR, A.M., University High School; Instructor in Latin (Summer, 1917).

NELL CHARLOTTE CURTIS, University Elementary School; Instructor in Kindergarten-Primary Education (Summer, 1917).

ETHEL M. ERNST, Instructor in Costume Design, Carnegie Institute, Pittsburgh; Instructor in Home Economics (Summer, 1917).

EMERY FILBEY, PH.B., University High School; Instructor in Manual Training (Summer, 1917).

HARRY TREVLIN FULTZ, S.B., University High School; Instructor in Aesthetic and Industrial Education (Summer, 1917).

ELLEN MARY GEYER, A.M., Instructor in English, University of Iowa; Instructor in English (Summer, 1917).

CLARENCE TRUMAN GRAY, PH.D., Instructor in Education, University of Texas; Instructor in Education (Summer, 1917).

LEROY H. HARVEY, PH.D., Head of the Department of Nature Study, Kalamazoo Normal School, Kalamazoo, Mich.; Instructor in Natural Science (Summer, 1917).

MAY HILL, Instructor in Kindergarten Education, Superior Normal School, West Superior, Wis.; Instructor in Kindergarten-Primary Education (Summer, 1917).

WALTER B. HUMPHREY, A.B., Instructor in Art (Summer, 1917).

ELEANOR LALLY, A.B., University Elementary School; Instructor in English (Summer, 1917).

NAMA AURELIA LATHE, University High School; Instructor in Art (Summer, 1917).

HESTER B. LYON, Instructor in Millinery, Pratt Institute, New York; Instructor in Home Economics (Summer, 1917).

KATHERINE MCLAUGHLIN, S.B., University Elementary School; Instructor in English (Summer, 1917).

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NANCY HILL MCNEAL, PH.B., Instructor in Home Economics and Household Art (Summer, 1917).

ETHEL M. NEWLANDS, Director of Home Economics, Buffalo Technical High School, Buffalo, N.Y.; Instructor in Home Economics (Summer, 1917).

FRANK HURBURT O'HARA, PH.B., Assistant in Dramatic Art, University High School; Instructor in English (Summer, 1917).

ELSIE M. PAGE, Instructor in Home Economics, Lucy Flower Technical High School, Chicago; Instructor in Home Economics (Summer, 1917).

L. DAY PERRY, Supervisor of Manual Training, Joliet, Ill.; Instructor in Manual Training (Summer, 1917).

DELMAR NEAL POPE, A.B., Supervisor of Art, Roswell, N.M.; Instructor in Art (Summer, 1917).

MABEL B. SOPER, Head of the Art Department, Bridgewater State Normal School, Bridgewater, Mass.; Instructor in Art (Summer, 1917).

DOROTHY STILES, Instructor in Physical Education (Summer, 1917).

KATHARINE MARIAN STILWELL, PH.B., University Elementary School; Instructor in Printing (Summer, 1917).

GRACE E. STORM, PH.B., University Elementary School; Instructor in History (Summer, 1917).

CAROLINE I. TOWNSEND, PH.B., State Normal School, San Diego, Cal.; Instructor in Kindergarten-Primary Education (Summer, 1917).

ELEANOR TROXELL, University Elementary School; Instructor in Kindergarten-Primary Education (Summer, 1917).

MARGARET VAN HOESEN, PH.B., Instructor in Home Economics, Iowa State Normal College, Cedar Falls, Iowa; Instructor in Home Economics (Summer, 1917).

MABEL WARD, S.B., Head of the Department of Home Economics, South Dakota State College, Brookings, S.D.; Instructor in Home Economics (Summer, 1917).

THOMAS RUSSELL WILKINS, A.B., University High School; Instructor in Physics (Summer, 1917).

ELSIE AMY WYGANT, S.B., University Elementary School; Instructor in Kindergarten-Primary Education (Summer, 1917).

ELIZABETH EUPHROSYNE LANGLEY, Associate in Manual Training.

LYDIA JANE ROBERTS, PH.B., Assistant in Home Economics.

LENA MAY CRUM, PH.B., Assistant in Home Economics (Summer, 1917).

JEAN KIMBER, Oswego State Normal School, Oswego, N.Y.; Assistant in Art (Summer, 1917).

MARY CLARISSA MCKEE, A.M., Assistant in Home Economics.

MARY WARFORD, PH.B., Assistant in Home Economics.

THE UNIVERSITY HIGH SCHOOL

(For the Faculty of the University High School see pp. 65–66 of this *Register*.)

THE UNIVERSITY ELEMENTARY SCHOOL

(For the Faculty of the Elementary School see pp. 66–67 of this *Register*.)

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THE SCHOOL OF EDUCATION

HISTORY, AIM, AND ORGANIZATION

The School of Education of the University of Chicago was formed by the consolidation with the University of Chicago of several institutions. The Chicago Institute, founded by Mrs. Emmons Blaine and presided over by the late Colonel Francis W. Parker, became a part of the University in 1901. The Laboratory School of the Department of Education in the University, the founder and director of which was Professor John Dewey, formerly Head of the Department of Philosophy and Education in the University of Chicago, had for some years prior to the date above mentioned been intimately related to the Department of Education in the University. The South Side Academy, the Dean of which was Dr. William B. Owen, was united with the Chicago Manual Training School, the head of which for many years was Dr. Henry Holmes Belfield, to form the University High School, in 1903. There is, therefore, gathered within the School of Education a complete school system—kindergarten, elementary school, high school, college, and graduate department—with opportunities for training teachers under the most favorable educational surroundings, and with all the privileges of a great university. The fundamental purpose of this School of Education is to organize education on a scientific basis and to equip students with a knowledge of the principles of educational psychology, school organization, and methods, and to give them a survey of the historical development of educational institutions so that they shall be prepared to carry on educational work in an independent and scientific manner. The various schools are organized so as to furnish the largest opportunity for experiment and observation.

LOCATION, BUILDINGS, AND GROUNDS

The buildings of the School of Education are situated on Scammon Court, between Kimbark and Kenwood avenues, the main building (Emmons Blaine Hall) facing the Midway Plaisance. This building has a frontage of 350 feet and a depth through its two wings of 162 feet. It is four stories high, with passenger and freight elevators giving easy access to the upper floors.

Henry Holmes Belfield Hall, the Manual Training Building of the School of Education, is immediately in the rear of the main building, and is completely adapted to its purpose. Its dimensions are 350 by 65 feet. The two ends are each three stories in height, and the shops between are one story high and are lighted by a saw-tooth roof.

There are in this building well-equipped woodshops, a forgeshop, a foundry, a machine-shop, pottery rooms with kilns, and drawing-rooms. These are all supplied with the complete equipment necessary for regular use and for instruction.

Kimbark Hall faces Kimbark Avenue and stands between the two buildings above described. It is devoted in the main to the use of the High School. On the first and second floors are eleven classrooms; on the third floor are sewing-rooms for the Department of Household Art and a restroom for the girls of the High School. On the fourth floor is a research laboratory for the experimental study of school problems.

The gymnasium, occupying the center of the court, consists of two rooms, each 36 by 60 feet in size, flanked on either side and at one end of the building

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with offices, dressing-, locker-, toilet-, and shower-rooms. The south gymnasium is equipped with all the apparatus of a modern gymnasium; the other, the north gymnasium, is provided with facilities for group and competitive games.

On the east of Kenwood Avenue is Jackman Field, an acre and a half of ground set aside for permanent use as a playground and garden. North of Henry Holmes Belfield Hall are the Scammon Gardens. In addition to the facilities for horticulture, the garden also offers opportunity for bee-keeping, the study and care of trees, and for the location of certain outdoor instruments.

MUSEUM, LABORATORIES, AND GENERAL EQUIPMENT

The School of Education has a museum which serves as a storeroom for natural-history, geographic, and anthropological materials that are used for illustration in the classrooms and graderooms. There are laboratories of chemistry, physics, zoölogy, botany, and elementary science. The departments of Home Economics, of Fine Arts, and especially that of Manual Training, are fully equipped with apparatus for instruction. A Laboratory of Experimental Education is equipped for graduate work in Education.

THE PSYCHOPATHIC LABORATORY

The Psychopathic Laboratory is housed in a small, two-story brick flat at 5816 Ingleside Avenue. In this building rooms are provided for special tests and examinations. In one of these are made physical measurements of the body, such as weight, height sitting and standing, vital capacity, strength of grip, and cephalic index. A dark room permits of careful examination of the eyes. In the other rooms are made the standard mental tests, the chief of which used at present are the Kent-Rosanoff Association Test, the Stern-Aussage Test, and the Binet-Simon Test. The Laboratory is well equipped for making medical examinations. The chief materials and apparatus which are used in this division of the work are a Leitz microscope, a sliding microtome, staining materials, Faught blood-pressure apparatus, Thoma-Zeiss hemocytometer, examining table, set of test lenses, tuning-forks, autoclave, dry-heat sterilizer, incubator, and materials for performing the Wassermann reaction. In order to provide clinical material for study and investigation, a public dispensary is held on Tuesday and Thursday mornings from 9:00 to 12:00 for all cases of mental deficiency in children from six to sixteen years of age. By this arrangement the opportunity is given to advanced students of making examinations of a large number of mentally defective children.

THE GENERAL LIBRARY

The General Library is a reference and circulating library and is open to students in all departments of the University. Students who have matriculated and paid their library fee may take out at one time three volumes from the General Library. These may be kept two weeks. The Library is open every week day from 8:00 A.M. to 10:00 P.M., Saturday 8:00 A.M. to 4:00 P.M.

THE SCHOOL OF EDUCATION LIBRARY

The School of Education possesses a working library of some 25,000 volumes. It is classified according to the Dewey decimal classification. There is a dictionary card catalogue with full analytical work. Free access to shelves is given. The library aims to have on its shelves the best and latest books on the subjects

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taught in the School and to present carefully selected and graded reading-lists and the best devices for, and methods of, collecting, preserving, and making useful books and pamphlets. There is a special room for the high-school readers.

The collection of old textbooks and of old school reports, that are of interest only in connection with historical researches conducted by graduate students, is shelved in William Rainey Harper Memorial Library. Graduate students are given access to these collections by special permission, and special arrangements are made to provide facilities to aid them in their investigations.

PUBLICATIONS

The *School Review* was founded at Cornell University in 1892 by Mr. Jacob Gould Schurman, now president of Cornell University, and Mr. Charles Herbert Thurber. As the successor of *The Academy* and *School and College* it was devoted to the interests of secondary education, and it has not changed its purpose during these twenty years. It is the organ of no particular school of thought, nor does it represent any particular portion of the country; its aim is to be increasingly useful in helping the teachers in secondary schools to understand the significance of their work and to realize its possibilities.

The *Elementary School Journal* deals with the problems of elementary education. Much of the material published in this *Journal* is drawn from the School of Education itself and gives an account of the practical work which is being organized in this School, and of the scientific investigations which are being carried on with reference to elementary-school problems by members of all departments of the School. Contributions to the *Journal* are, however, by no means confined to members of the Faculty of the School of Education. Other educators who are carrying on scientific work with reference to elementary-school problems report the results of their investigations and experiences together with the papers which are issued from the School of Education.

The *Educational Monographs* constitute a series of supplements to the two journals and provide an avenue for the publication of longer researches than can be published in the journals.

ORGANIZATION OF THE SCHOOL OF EDUCATION

The School of Education is made up of four constituent divisions, namely, the Graduate Department of Education, the College of Education, the University High School, and the University Elementary School. For purposes of the training of teachers these are organized into a single closely interrelated whole. These divisions are described below.

THE UNIVERSITY ELEMENTARY SCHOOL

The University Elementary School includes a kindergarten and seven grades. Each of the grades is in charge of a critic teacher. A supervising principal is in charge of the School. Special attention is called to the fact that the elementary course preceding the high-school course is completed in seven years. The elementary course also emphasizes early instruction in foreign language and gives a large opportunity to the pupils for handwork of different types in connection with the other work of the School. Members of the Faculty of the College of Education and also members of the Graduate Department of Education

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participate in the formulation of the course of study and the general plans for the conduct of this School. Practice teaching is carried on in this School by students of the College under the immediate supervision of the grade teacher. The School furnishes an opportunity for tests and investigations in connection with the advanced educational courses.

THE UNIVERSITY HIGH SCHOOL

The University High School consists of the Chicago Manual Training School, established by the Commercial Club of Chicago, March 23, 1882, and the South Side Academy, founded in 1892. The first-named school was incorporated with the University of Chicago in 1897, the latter in 1901. In 1903 the two schools were combined to form the University High School and were transferred to the new buildings in Scammon Court, forming a part of the School of Education.

The school year is divided into two semesters and a Summer Quarter.

The courses of the Summer Quarter are, in the main, the same as those offered in the remaining quarters. The arrangement of the courses, however, is different. In most of the studies two recitations are held daily, and students are restricted to fewer subjects.

Special circulars are published describing the courses in the High School. These may be had by addressing the Principal of the High School, The University of Chicago.

GRADUATE DEPARTMENT OF EDUCATION

The Department of Education is also a department of the Graduate Schools of Arts, Literature, and Science, and as such offers courses leading to the degrees of Master of Arts and Doctor of Philosophy. The advanced courses in Education aim to meet the needs of three classes of students: first, those who are preparing to give courses in departments of Education in colleges and normal schools; secondly, those who are preparing to become supervisors in various grades of schools; thirdly, students in various departments of the University who, in addition to the courses in the subject-matter which they intend to teach, wish to become acquainted with the principles underlying all educational organization and method. The last-mentioned class of students may take Education as a secondary subject.

Admission to the Graduate Schools and to candidacy for degrees.—Applicants are admitted to the Graduate Schools on presentation to the Dean of evidences of graduation from a reputable college. If, however, the applicant desires to come into candidacy for the Master's or Doctor's degree in the University of Chicago, it must be ascertained whether the Bachelor's degree received from another institution, and represented by the credential presented, is the equal of the Bachelor's degree of the University of Chicago. This is ascertained by submitting to the University Examiner a transcript of the undergraduate work done by the applicant for the Bachelor's degree which he has already received. If it be found that this work is less in value than that required for the Bachelor's degree in the University of Chicago, the applicant is required to satisfy the requirements for the Chicago degree.

This adjustment of undergraduate credits in order to make sure that the Bachelor's degree taken elsewhere is the equivalent of the Chicago degree includes, except in the cases of graduates of an approved list of colleges, the

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presentation of satisfactory evidence that the college-entrance requirements have also been satisfied.

Prerequisites for graduate work in Education.—Candidates for an advanced degree in Education must present as part of their undergraduate work at least two courses in Education, and in addition a third course in either psychology, sociology, or education. Candidates who take Education as a secondary subject must present one course in either psychology, sociology, or education.

REQUIREMENTS FOR GRADUATE DEGREES

Candidates for these degrees should consult frequently the authorities in the office of the Graduate Schools in order to make sure that they are arranging to meet all the requirements.

THE MASTERS' DEGREES

Two Masters' degrees are conferred in the Graduate Schools, viz.: *Master of Arts* and *Master of Science*. Students specializing in Education are candidates for the degree of Master of Arts.

1. *Candidacy.*—Any member of the Graduate Schools who has been in attendance one quarter or more, and whose undergraduate course is equivalent to that required for a corresponding Bachelor's degree in the University of Chicago,[1] and whose thesis subject has been accepted by the department concerned, may, on recommendation by the department or departments in which he is working, be enrolled, by vote of the Faculties of the Graduate Schools, as a candidate for a Master's degree. Application for admission to candidacy must be made on the blank provided for the purpose. This blank must be obtained by the applicant at the Dean's office, and the application must be on file in that office at least two months before the degree is conferred.

2. *Requirements.*—Students thus accepted as candidates will be given a Master's degree on fulfilment of the following requirements:

a) At least three quarters' residence at the University.

b) At least eight majors of graduate work at the University of Chicago. These eight majors need not be all in one department, but must be selected according to some rational plan, approved by the Deans of the Graduate Schools at least six months before the degree is conferred. The individual courses must receive the approval of the heads of the departments concerned.

c) A satisfactory dissertation on a subject approved by one of the departments in which the work is done.[2] The subject of the dissertation must be approved by the head of the department at least three months before graduation, and the thesis in complete form must be submitted to the department at least four weeks before the degree is conferred. This period may be lengthened to six weeks at the option of any department.

d) The delivery of five printed or typewritten copies of the dissertation to the University Library at least one week before the convocation at which the degree is to be conferred. One of the copies must be bound.

e) A satisfactory examination on the work taken for the degree.

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[1] Attention is particularly called to the fact that the term "equivalent" in this connection refers to quantity only. It does not affect the question of the specific Master's degree (Arts or Science) to which a given student's work would lead.

[2] In exceptional cases the Deans, upon the recommendation of the departments concerned, may accept an additional major in lieu of the dissertation.

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f) No course completed with a grade below C will count toward the Master's degree.

3. *The Master's dissertation in the Department of Education.*—Mimeographed directions concerning the preparation of Masters' dissertations may be obtained in the office of the Department of Education. In this Department the dissertation must be based on an investigation which involves the use of an objective method, and must be in the office of the Head of the Department at least six weeks before the degree is conferred.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is given, not on the basis of the completion of a certain amount of time spent upon a specified program, but as the recognition and mark of high attainments and ability in the candidate's chosen province, shown, first, by the production of a thesis evincing the power of independent investigation and forming an actual contribution to existing knowledge, and, secondly, by the passing of examinations covering the general field of the candidate's subjects, with more detail in the case of the principal subject, and with less detail in the case of the secondary subject or subjects. This degree is granted under conditions that are described in detail in the *Circular of Information* of the Graduate Schools of Arts and Literature and of Science, which will be mailed upon request. Graduate students in the Department of Education should secure also the circular of the Departments of Philosophy, Psychology, and Education.

FELLOWSHIPS AND SCHOLARSHIPS

The Trustees appropriate annually the amount of twenty-two thousand one hundred and forty dollars ($22,140) for Fellowships in the Graduate Schools of Arts, Literature, and Science. These Fellowships range in value from $120, the tuition fees of a student for three quarters, to $520, that is, $400 in addition to the tuition fees for three quarters. A limited number of Scholarships, covering a part or all of the tuition fees for three quarters, are also awarded annually.

Candidates for these Fellowships and Scholarships should send to the Deans of the Graduate Schools a record of their previous work and distinctions, degrees, and past courses of study, with copies of their written or printed work in the field of the department in which application is made. Applications must be received at the Deans' offices *not later than March 1 of each year* in order to be considered for the following year. Appointments will be made April 1.

Fellows may be called upon for assistance in teaching in the University, or for kindred work; but in no case will they be expected or permitted to devote so much time to this work as to prevent the successful prosecution of their own work as students. Fellows will not engage in outside work for compensation unless by permission of the President. Except in rare cases students will not be appointed to Fellowships until they have done at least one year of graduate work.

Full particulars concerning higher degrees, Fellowships, Scholarships, and other matters of interest to graduate students will be found in the *Circular of Information* of the Colleges and Graduate Schools, which will be sent upon application.

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THE COLLEGE OF EDUCATION

The other division of the School of Education is the College of Education. This is a professional college which prepares teachers for elementary and high schools and also provides advanced courses for teachers of experience who are preparing to become supervisors. The following courses of study are offered:

1. A four-year course leading to the *Bachelor's degree in Education* (see below).

The degree of Ph.B. in Education is granted to candidates who specialize in any one of the following departments: Education, Home Economics, Kindergarten-Primary Education, and Aesthetic and Industrial Education; the degree of S.B. in Education to candidates who specialize in both Science and Education; the degree of A.B. in Education to students who specialize in both the classical languages and education.

2. A one-year course leading to *Supervisor's Certificates* for kindergartens and elementary schools, for graduates of normal schools and kindergarten training schools, who have had three years' successful teaching experience in regularly organized schools (see pp. 374 and 390).

3. A two-year course leading to the *Kindergarten-Primary Certificate* (see pp. 391–92).

RESIDENCE REQUIREMENT

At least three quarters of residence in the College of Education, including the satisfactory completion of nine majors, are required for all certificates and degrees.

ADMISSION REQUIREMENTS

Admission to the College of Education is on the same conditions as admission to other Colleges of the University. (See p. 97.)

1. COLLEGE REQUIREMENTS FOR THE BACHELOR'S DEGREE IN EDUCATION

The Bachelor's degree is conferred when the student has completed 36 majors,[1] including all specific requirements, and has obtained at least 72 grade-points,[2] and has met the requirement in physical education.

The college work is of three kinds: (*a*) *Required in college* of all candidates for a given degree. This includes 2 majors in English, 3 majors in a "continuation group," 6 majors in a "short sequence," and 9 majors in a "long sequence." These terms are explained below. (*b*) *Contingently required* in college, i.e., if not presented on admission. (*c*) *Elective:* Normally about 18 majors in the Ph.B. curricula. This amount may be reduced if the entrance units fail to include the contingent requirements and if prerequisite courses for the completion of the sequence are prescribed as in the case of students in Home Economics.

During his first two years the student is required to take:

1. *English.*—Two majors of English composition (courses 1 and 3). English 1 must be taken in the first quarter of residence.

2. *Continuation group.*—A "continuation group" of three consecutive majors taken in the first year, which, unless by special exception granted by the Dean,

[1] For the definition of a major see p. 82.

[2] The number of grade-points granted for each major completed with a given grade is indicated by the following table: A equals 6 grade-points; A− equals 5; B equals 4; B− equals 3; C equals 2; C− equals 1; D equals 0; E equals −1; F equals −2. Students are expected to maintain an average of C or 2 grade-points per major taken.

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continues the work of either his principal or secondary admission group or of a subject in which he took one unit in the Senior year of high school. Careful consideration should be given to the choice of these courses.

3. *Contingent distributive requirement.*—Enough majors in each of the following "distribution groups" to make his total (high school+college) credit in each group four majors (=2 units). Professional courses are not accepted in the fulfilment of this requirement.

I. Philosophy, History, and Social Science: Departments of Philosophy, Psychology, Education, Political Economy, Political Science, History, History of Art, and Sociology and Anthropology.

II. Language other than English: Greek, Latin, German, French, or Spanish (all 4 majors in one language).

III. Mathematics: Department of Mathematics.

IV. Science: Departments of Astronomy and Astrophysics, Physics, Chemistry, Geology and Paleontology, Geography, Zoölogy, Anatomy, Physiology, Botany, Pathology, and Hygiene and Bacteriology.

THE SEQUENCE REQUIREMENTS

The 36 majors required for the Bachelor's degree must include one principal sequence of at least 9 coherent and progressive majors taken in one department or in a group of departments and one secondary sequence of at least 6 majors selected from a different department or group of departments. These sequences must have the approval of the Dean. One of the sequences must be in Education and must include courses 1, Introduction to Education, and either 86 or 87, Methods of Teaching, and two majors of practice teaching. The other sequence must include one or more courses in the methods of teaching the subject.

Special attention is called to the fact that practice teaching must be included in the Senior College programs of all candidates for the degree in Education.

No courses counted in satisfaction of entrance requirements, or of the English and contingent distributive requirements described above, may count in making up the principal and secondary sequences, but the continuation group may so count.

Not more than 15 majors in a single department may count toward a degree or certificate.

PRACTICE TEACHING

Practice-teaching opportunities are open only to students who are taking a principal or minor sequence in Education. Inasmuch as these opportunities are limited, applications will be granted as follows: (*a*) in the order of academic standing of the student; (*b*) in the order of registration for a given quarter.

1. *Requirements.*—Two majors of Practice Teaching, completed with grades of C or better, are required in all undergraduate courses. Each major must include fifty hours of contact with the pupils in classroom, laboratory, or field. During this time the student must teach at least fifteen lessons in each major and may be required to teach from thirty to forty in each major when this can be arranged.

2. *Prerequisites.*—The prerequisites for practice teaching in the High School are Education 1, Education 87, and a special-methods course in the subject

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to be taught. The prerequisites for practice teaching in the Elementary School are Education 1, Education 86, and at least one special-methods course.

3. *Exemption.*—Students who can furnish satisfactory evidence that they have had successful experience as teachers may be permitted by vote of the Faculty to substitute courses in the Department of Education for a part or all of this requirement. Written applications for exemption from practice teaching should be filed with the Dean of the College of Education before the beginning of the student's next to last quarter of residence in order that his qualifications may be determined. As a rule, students will be tested for exemption by assignment to three weeks of non-credit teaching in the Elementary or High School.

A general average of C or better is required for registration in practice-teaching courses.

Failure to use good oral and written English will disqualify students from continuation in practice-teaching courses.

(See *Handbook of Practice Teaching*, which will be sent upon request, for further regulations.)

PHYSICAL EDUCATION

This is a general requirement for all certificates and degrees. Students should register at the opening of every quarter until the records show the requirement as completely absolved. Ten quarters of four hours a week are required of men and six quarters of women who are candidates for degrees—three quarters of four hours a week and three quarters of two hours a week. Three quarters are required of candidates for all certificates—two quarters of three hours a week and one quarter of two hours a week.

Students receive automatically one quarter of physical-culture credit for each 3 majors of credit received by advanced standing, through the Correspondence-Study Department, or in the University College. All women entering with advanced standing, however, must take at least one quarter of physical culture of four hours a week, unless they hold Bachelors' degrees.

TABULATION OF THE REQUIREMENTS FOR THE BACHELOR'S DEGREE IN EDUCATION

A tabulation of the requirements for the Bachelor's degree in Education reads as follows:

1. Admission requirements (see above, p. 97)
2. Continuation group (3 majors)
3. Contingent distributive groups
   - I. Social Sciences 4 majors
   - II. Foreign Language 4
   - III. Mathematics 4
   - IV. Natural Sciences 4

   } varies with high-school work
4. English 1 and 3 (2 majors)
5. Education sequence (6 or 9 majors) Including:
   1. Introduction to Education
   86 or 87, Methods of Teaching
   Practice Teaching (2 majors)
6. Departmental sequence (9 or 6 majors), including at least one major in the theory of teaching the subject
7. Physical Culture
   for women, 6 quarters
   for men, 10 quarters
8. *Electives (18 majors or fewer)*
   Total number of majors required, 36
   Number of grade-points, at least 72

GENERAL ELECTIVES IN THE COLLEGES OF ARTS, LITERATURE, AND SCIENCE

After candidates for degrees have planned their work so as to complete the specific Junior College requirements and the sequence requirements, with certain additional courses directly related to their specialized interests, there often remain a number of majors to be elected freely. These should be selected with

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care in order to broaden the student's interests and at the same time to avoid registering for courses for which he is not adequately prepared. To aid in this selection there is printed the following list of courses which do not presuppose any or much previous college work in the departments concerned.

Courses which may be taken during the first year—

Political Economy 1, 2	Principles of Political Economy
Political Science 1	Civil Government in the United States
History 1, 2, 3	European History
English 40	Introduction to English Literature (Prerequisite: English 1)
English 41	Shakspere (Prerequisite: English 1)
Mathematics 1, 2, 3	Plane Trigonometry; College Algebra; Analytic Geometry
Astronomy 1	Descriptive Astronomy
Geology 1	Physiography
Geography 1	Elements of Geography
Geography 3	Economic and Commercial Geography (Prerequisite: Geography 1 or Geology 1)
Zoölogy 1	Elementary Zoölogy
Botany 1	Elementary Botany
Public Speaking 1	Public Speaking (Prerequisite: English 1)

Courses which may be taken during the second year—

Philosophy 1	Logic (Prerequisite: 9Mjs.)
*Philosophy 2	Elementary Ethics (Prerequisite: 12Mjs.)
*Philosophy 3	Introduction to Philosophy (Prerequisite: 12Mjs.)
Psychology 1	Introductory Psychology (Prerequisite: 9Mjs.)
History E4, E5, E6	History of the United States
Sociology 1	Introduction to the Study of Society (Prerequisite: 9Mjs.)
Sociology 6	Modern Cities: Municipal Sociology (Prerequisite: Sociology 1)
Biblical Literature in English 106	Life of Jesus
Biblical Literature in English 111	The Teaching of Jesus
*General Literature 2	Literary Study of the (English) Bible
Zoölogy 5	Evolution and Heredity

Courses marked * could be taken to better advantage in the third year.

Limited credit.—Certain Junior College courses, listed below, are subject to the following limitation of credit:

a) Full credit is given only when these courses are taken among a student's first 18 majors, and the total number so taken may not exceed 9.

b) After a student has credit for 18 majors but less than 27 these courses will be credited at one-half major each; after he has credit for 27 majors they will not be credited at all, but any course may be taken, with the consent of the Dean, on payment of the fee, presumably as a fourth course.

c) If a student takes two regular courses and a third course for which under these regulations he can receive credit for only one-half major, he may register for an additional half-major without additional fee.

The courses specified in the list are subject to change.

Political Science 1	Mathematics 00, 0, 01, 02
History 1, 2	Physics 1, 2
Latin 1A, 1B, 2A, 2B	Chemistry 1
French 1, 2, 3	Geology 1
German 1, 2, 3	Geography 1
English 1, 40	Home Economics, 1, 2, 100

STUDENTS WITH ADVANCED STANDING

Students who enter the College of Education with advanced standing and are candidates for the Bachelor's degree will be required to conform to the following regulations:

a) Students entering with less than 18 majors of advanced standing will be required to fulfil all general Junior College requirements set forth under "College

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Requirements" (p. 116), except the series of three courses continuing the high-school courses.

b) Students with more than 18 majors of advanced standing may be exempted from any of the Junior College requirements, except English 1 and 3, by action of the Faculty Committee on Advanced Standing, provided such students make written application during the first quarter of residence. If the student is absolved from Junior College requirements he must maintain an average grade of at least B − or three grade-points for each major taken. In no case will such students be granted the degree in Education unless they fulfil the two Senior College sequences. Furthermore, one-half of each sequence must be taken in the University of Chicago.

2. COLLEGE REQUIREMENTS FOR THE GENERAL SUPERVISOR'S CERTIFICATE

A one-year course preparatory to supervision in elementary schools is provided for graduates of normal schools who have had three years of experience in teaching and receive at least 9 majors of advanced standing. Many capable students who have had such training and experience may be prepared, by doing one year of specialized work, to serve successfully as critic teachers or as supervisors in city systems. There are more demands for trained critic teachers in the normal schools than can be supplied.

The requirements for the General Supervisor's Certificate are the following:

1. The general admission requirements. See p. 97.

2. Graduation from a normal school with sufficient credit to secure 9 majors advanced standing in the University of Chicago.

3. Three years' successful teaching experience in a regularly organized school.

4. One quarter of physical culture of four hours a week.

5. The satisfactory completion of 9 majors with 18 grade-points, to be distributed as follows:

	Majors
a) Education (46, The Curriculum; 92, Criticism and Supervision of Teaching; 34, Instructional and Supervisory Aspects; 96, Practice Supervision in the Elementary School.)	4
b) One course in the theory of teaching some grammar-grade subject	1
c) Hygiene and Physical Education (School Hygiene)	
d) Electives related to the grammar-grade curriculum (To supplement previous training in special subjects)	3
Total	9
With at least 18 grade-points	

Teachers of three years' experience who can fulfil the general college admission requirements but have not 9 majors of advanced standing may complete the requirements for the Supervisor's Certificate in from four to six quarters, depending on the amount of advanced standing which they receive. The advanced standing and residence work together must make a total of 18 majors. The residence work must include the 9 majors outlined above and other courses related to elementary-school supervision which are approved by the student's adviser. In addition to the one quarter of Physical Culture required of all candidates for this certificate, those entering with less than 9 majors advanced standing will take one additional quarter of Physical Culture if they have from 5 to 7 majors advanced standing and two additional quarters of Physical Culture if they enter with less than 5 majors advanced standing.

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STUDENT SERVICE AND ASSISTANCE TO STUDENTS

A number of appointments to student service are granted each year in the College of Education to students *who have completed one quarter of previous residence with satisfactory standing in studies.* In distributing these appointments preference is given (1) to those who furnish proper evidence of some special fitness for entering upon the profession of teaching, and (2) to those who enter at the beginning of the year with the intention of remaining at least three quarters, and (3) *who register for full work.* Each student holding a student-service appointment is expected to render some service to the University, amounting in time to about two hours daily. This service may be given as library assistant, stenographer, laboratory helper, etc. The remuneration is the amount of tuition. A limited number of honor scholarships are granted to students for exceptional efficiency in class work. No service is required of persons holding such honor scholarships.

Besides student service various kinds of assistance are offered to those who need help, under the following heads: (1) Prizes, (2) Loans by the Students' Fund Society, and (3) Outside Employment. The position of the University in a large city brings the decided advantage of providing many opportunities for employment. Through the University Employment Bureau many students are able to secure all of the outside employment for which they have time. For further details applicants should send for the circular, *Assistance to Students at the University of Chicago.*

The Board of Recommendations.—The University maintains a bureau for the recommendation of its students to teaching positions. During last season more than six hundred persons received appointments through the services of this bureau. This service is rendered by the University without charge and is extended both to those seeking initial positions and to those already located who are worthy of promotion to better places. A student must be in residence in the University for at least three quarters before he is eligible to register with the Board of Recommendations.

STUDENT ORGANIZATIONS

Students regularly enrolled in the College of Education vote for members of the general Student Council. A special committee of five members is chosen annually from the students in the College of Education and the students in the Graduate Department of Education. This committee has general charge of the social interests of the College of Education and the Graduate Department.

The Education Club is a voluntary organization including all advanced students in Education. It holds fortnightly meetings for the purpose of hearing educational lectures and reports.

The Dames Club of the University of Chicago, composed of wives and mothers of students, meets on the second and fourth Saturdays of each month at 3:00 P.M., in Ida Noyes Hall.

RELATION OF DEPARTMENTS IN THE COLLEGE OF EDUCATION TO DEPARTMENTS IN THE COLLEGES OF ARTS, LITERATURE, AND SCIENCE

The courses organized in the College of Education are intended to supplement, not to duplicate, those of the Colleges of Arts, Literature, and Science.

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Part of the general plan is to have professional departments in the College of Education to correspond to several of the academic departments in the other colleges (or in some cases to groups of academic departments). Thus there are organized in the College of Education, Departments of History, English, Mathematics, Geography, and Natural Science which give professional courses in the teaching of these subjects. Some of the instructors in these departments are also members of the Faculty of the Colleges of Arts, Literature, and Science.

The Department of Education is a department in the College of Education, in the Colleges of Arts, Literature, and Science, and in the Graduate School of Arts and Literature. Hence its courses are credited toward degrees in all of these divisions of the University.

In addition to the department mentioned above there are four which do not correspond directly to departments in the other colleges of the University. These departments are: (1) Home Economics, (2) Kindergarten-Primary Education, and (3) Aesthetic and Industrial Education. These departments are organized to train teachers for important lines of work in elementary and high schools for which the ordinary academic colleges do not provide training. In view of this fact these departments provide not only theoretical and practical professional courses, but also courses in subject-matter and technique. In many cases students who are preparing to teach these lines elect a large amount of work in the other colleges, particularly in the natural sciences.

Students in the Colleges of Arts, Literature, and Science may elect courses in the College of Education only after they have received 9 majors of college credit. All of the courses offered in the departments named in the preceding paragraphs are given credit toward the Bachelor's degree in the Colleges of Arts, Literature, and Science according to the following regulation:

"Students in the Colleges of Arts, Literature, and Science may receive credit for professional courses in the College of Education only under the following conditions:

"1. The amount of work which may be credited is an approved sequence of not less than three nor more than nine majors, not all of which need be professional or specialized courses.

"2. No course shall be credited unless preceded by those fundamental subjects a knowledge of which is prerequisite to its proper development, e.g., practice courses in Music, by appropriate courses in the History and Theory of Music.

"3. Not more than one-third of a sequence may be in courses devoted to the development of technique."[1]

DEPARTMENTS AND COURSES OF INSTRUCTION IN THE COLLEGE OF EDUCATION

EDUCATION

The courses in this Department are designed to meet the needs of three types of students:

First, students who are preparing to teach educational courses in normal schools, colleges, and universities may here specialize and carry on research work leading to the Doctor's degree.

[1] Technical courses are indicated by a dagger (†).

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Secondly, students who are preparing to do practical work along the lines of school supervision and administration may secure through these courses training in the methods of scientific investigation of educational problems which will prepare them to take up their practical situations and formulate their reports in the light of the best current practices. Administrative officers are thus trained to organize schools in a scientific way.

Thirdly, students who have specialized in other departments, such as history, mathematics, science, etc., and are intending to use training in these special departments for purposes of instruction in secondary schools or higher institutions, may secure in general courses in education that acquaintance with school organization and school problems which will aid them in formulating the material in their specialties.

Courses required of undergraduates in the College of Education.—Candidates for degrees in the College of Education and for some of the certificates are required to include in their Education sequences: Education 1, Introduction to Education, Education 86 or 87, Methods of Teaching, and two majors of practice teaching.

Standard sequence for undergraduates in the Colleges of Arts, Literature, and Science.—The following short Education sequence is recommended for students in the Colleges of Arts, Literature, and Science who expect to teach:

1. Education 1.
2. Education 86 or 87.

3–6. Four majors elected from the following groups of courses, not more than two majors from any one group:

History of Education.

Social and Administrative Aspects.

Educational Psychology and Experimental Education. (Psychology 1 may be included in this group.)

Educational Methods.

Theory of Teaching High-School Subjects. (See special departments in *Announcement* of the School of Education.)

Practice Teaching. Prerequisites: Education 1, 86 or 87, and at least one special-methods course in the subject to be taught.

Numbers indicate gradings of courses.—The number given in parentheses following the name of the course indicates the degree of difficulty or advancement of the course: (1) indicates an elementary course which should be taken as a rule by undergraduate students with less than eighteen majors of college credit; (2) indicates an intermediate course which may be taken in general by undergraduate students with more than eighteen majors of college credit; (3) indicates an advanced course which may be taken by advanced undergraduate and graduate students; (4) indicates an advanced or specialized course open to graduate students only.

1. Introduction to Education (1).—Mj. Autumn, sec. *a*, sec. *b*, sec. *c*, sec. *d*, PROFESSOR JUDD, ASSISTANT PROFESSOR RUGG, ASSISTANT PROFESSOR BREED, MR. CLARKE;. Winter, sec. *a*, sec. *b*, PROFESSOR JUDD, MR. CLARKE; Spring, sec. *a*, sec. *b*, ASSISTANT PROFESSOR BREED, MR. CLARKE.

HISTORY OF EDUCATION

4. History of Modern Education (2).—Mj. Autumn, MR. ———.

4A. History of Modern Elementary Education (2).—M. Summer, Second Term, MR. GONNELLY.

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4B. History of Modern Secondary Education (2).—M. Summer, First Term, MR. GONNELLY.

10. An Introduction to the History of American Education (3).—M. Summer, Second Term, MR. GONNELLY; Mj. Winter, ———.

15. History of American Education (4).—Mj. Summer (or M. either Term), ASSOCIATE PROFESSOR JERNEGAN.

17. History of American Education, Part I (4).—Mj. Winter, ASSOCIATE PROFESSOR JERNEGAN.

18. History of American Education, Part II (4).—Mj. Spring, ASSOCIATE PROFESSOR JERNEGAN.

SOCIAL AND ADMINISTRATIVE ASPECTS

30. Educational Administration: Introductory Survey (3).—M. Summer, Second Term; Mj. Winter, Spring, ASSISTANT PROFESSOR RUGG.

31A. School Administration: General Survey (3).—Sec. *a*, sec. *b*, M. First Term; repeated M. Second Term, PROFESSOR STOUT, PROFESSOR MILLER.

32. Educational Administration: Public-School Costs and Business Management (4).—M. Summer, First Term; Mj. Spring, ASSISTANT PROFESSOR RUGG.

34. Educational Administration: Instructional Aspects (4).—Mj. Spring, ASSOCIATE PROFESSOR BOBBITT.

35. Educational Administration: Supervisory and General Aspects (4).—Mj. Winter, ASSOCIATE PROFESSOR BOBBITT.

36. High-School Administration (3).—Mj. Autumn, PRINCIPAL JOHNSON.

36A. Administration of Secondary Education (3).—M. Summer, First Term, PROFESSOR HENDERSON.

37. Principles of Secondary Education (3).—M. Summer, First Term, PROFESSOR MILLER; Mj. Spring, PROFESSOR BUTLER.

37A. The School and the Community (3).—M. Summer, Second Term, PROFESSOR BUTLER.

38. Junior High Schools (4).—M. Summer, First Term, PROFESSOR HENDERSON; repeated M. Second Term, PROFESSOR HARTWELL; Mj. Spring, PROFESSOR JUDD.

40A. Newer Types of Elementary-School Organization (3).—M. Summer, Second Term, PROFESSOR HARTWELL.

41. Foreign School Systems (3).—M. Summer, Second Term; Mj. Autumn, PROFESSOR BUTLER.

45. Organization of Courses for Teachers (4).—M. Summer, Second Term; Mj. Spring, PROFESSOR JUDD.

46. Curriculum (3).—Mj. Summer (or M. either Term); Mj. Winter, ASSOCIATE PROFESSOR BOBBITT.

47. Curriculum (continued) **(4).**—Mj. Spring, ASSOCIATE PROFESSOR BOBBITT.

52. School Surveys (4).—Mj. Summer (or M. either Term), ASSOCIATE PROFESSOR BOBBITT.

55A. Rural Education (3).—M. Summer, First Term, PROFESSOR ROBERTS.

55B. The Rural School (3).—M. Summer, First Term, PROFESSOR ROBERTS.

56. General Principles of Fine and Industrial Art (3).—Mj. Summer (or M. either Term); Mj. Autumn, Winter, PROFESSOR SARGENT.

57. Industrial Education in Public Schools (3).—M. Summer, Second Term; Mj. Winter, ASSOCIATE PROFESSOR LEAVITT.

58. Prevocational Education (3).—M. Summer, First Term; Mj. Winter, ASSOCIATE PROFESSOR LEAVITT.

59. Vocational Guidance (2).—M. Summer, First Term; repeated M. Second Term; Mj. Spring, ASSOCIATE PROFESSOR LEAVITT.

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EDUCATIONAL PSYCHOLOGY AND EXPERIMENTAL EDUCATION

62. Introduction to the Psychology of Elementary-School Subjects (1).—M. Summer, First Term; repeated M. Second Term, PROFESSOR JUDD; Mj. Autumn, ASSOCIATE PROFESSOR FREEMAN.

63. Genetic Psychology (2).—Mj. Winter, ASSOCIATE PROFESSOR FREEMAN.

64. Psychology of Elementary Education (4).—Mj. Autumn, PROFESSOR JUDD.

65. Psychology of High-School Subjects (3).—M. Summer, First Term; Mj. Winter, PROFESSOR JUDD.

67. Advanced Educational Psychology (4).—Mj. PROFESSOR JUDD. [Not given in 1917–18.]

71. Introductory Laboratory Course in Experimental Education (4).—Mj. Summer (or M. First Term), sec. *a*, sec. *b*, sec. *c*, ASSOCIATE PROFESSOR FREEMAN, ASSISTANT PROFESSOR CAMERON, PROFESSOR SCHMIDT; Mj. Autumn, ASSOCIATE PROFESSOR FREEMAN.

72. Statistical Methods as Applied to Educational Problems (4).—Mj. Summer (or M. First Term), sec. *a*, sec. *b*; Mj. Autumn, ASSISTANT PROFESSOR RUGG.

73. Psychopathic, Retarded, and Mentally Deficient Children (4).—DM. Summer, First Term; Mj. Autumn, Winter, ASSOCIATE PROFESSOR STEVENS.

74. Psychopathic, Retarded, and Mentally Deficient Children (continued) **(4).**—Mj. Winter, ASSOCIATE PROFESSOR STEVENS.

76. Advanced Psychology of Learning and Mental Tests (4).—Mj. Summer (or M. either Term); Mj. Winter, ASSOCIATE PROFESSOR FREEMAN.

77. Educational Measurement (4).—Mj. Winter, ASSISTANT PROFESSOR RUGG.

78. Elementary-School Tests (3).—M. Summer, First Term; repeated M. Second Term; Mj. Spring, ASSISTANT PROFESSOR GRAY.

80. Investigations in Reading (3).—Mj. Winter, ASSISTANT PROFESSOR GRAY.

80B. Psychology of Reading (4).—M. Summer, First Term; repeated M. Second Term, DR. C. T. GRAY.

83. Research Problems in Education (4).—M. Summer, First Term; Mj. Autumn, Winter, and Spring, PROFESSOR JUDD.

EDUCATIONAL METHODS

86. Methods of Teaching in Elementary Schools (2).—M. Summer, First Term; repeated M. Second Term, PROFESSOR PARKER, DR. C. T. GRAY; Mj. Autumn, PROFESSOR PARKER; Winter, ASSISTANT PROFESSOR GRAY; Spring, PROFESSOR PARKER.

87. Methods of Teaching in High Schools (2).—Mj. Summer, PROFESSOR STOUT; Autumn, sec. *a*, sec. *b*, sec. *c*, ASSISTANT PROFESSOR GRAY, ASSISTANT PROFESSOR BREED, MR. CLARKE; Winter, sec. *a*, sec. *b*, ASSISTANT PROFESSOR BREED, MR. CLARKE; Spring, sec., *a* sec. *b*, ———, MR. CLARKE.

88. Methods of Teaching and Supervision in High Schools (4).—M. Summer, First Term; repeated M. Second Term, PROFESSOR PARKER, PROFESSOR SCHMIDT, MR. GONNELLY; Mj. Spring, PROFESSOR PARKER.

89A. The Literature of Educational Methods (4).—M. Summer, Second Term, PROFESSOR PARKER.

91. Development of Modern Methods of Teaching in Elementary Schools (4).—Mj. Autumn, PROFESSOR PARKER.

92. Criticism and Supervision of Instruction (3).—M. Summer, First Term, for elementary-school teachers; M. Second Term, for normal- and city-training-school teachers; Mj. Autumn, for normal-school supervisors; Mj. Spring, for public-school supervisors and superintendents, ASSISTANT PROFESSOR GRAY.

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†95. Practice Teaching in the Intermediate and Grammar Grades (2).—Mj. Autumn, Winter, and Spring.

†96. Practice Supervision in the Elementary School (2).—Mj. Autumn, Winter, and Spring.

†97. Practice Teaching in the High School (2).—Mj. Autumn, Winter, and Spring.

NOTE.—Courses marked † are technical courses.

HISTORY, CIVICS, AND OTHER SOCIAL STUDIES

The courses in this Department are designed to meet the needs of (1) students who are preparing to teach any of the social sciences, including history, in the elementary and secondary schools; (2) students who intend to teach the foregoing subjects in normal-training high schools, normal schools, and colleges where emphasis is laid on methods; (3) those who are training for supervisors and teachers in elementary schools, who include history and other social studies in the list of subjects which they supervise.

All students expecting to teach or supervise history are advised to take either their principal or their secondary sequence in history. They are also advised to include in their list of electives courses in sociology, political economy, and political science. Students taking principal sequences in Education with social sciences as their secondary sequences should include history in their list of electives if they expect to teach any of the social studies in the high school.

Students desiring to pursue secondary sequences in history or the social sciences should consult the Departmental Adviser, secure approved sequences, and file copies of the same in the Dean's Office.

1. History in the Primary Grades.—Mj. Spring, MISS STORM.

1A. Teaching of History in Primary Grades.—M. Summer, First Term, MISS STORM.

2A. Teaching of History in Intermediate Grades.—M. Summer, First Term, MISS STORM.

10. Teaching and Supervising History in Elementary Schools.—Mj. Winter, ASSISTANT PROFESSOR TRYON.

11A. Teaching of History in Grammar Grades and Junior High School.—M. Summer, First Term; repeated M. Second Term, ASSISTANT PROFESSOR TRYON.

12. Teaching of High-School History.—Mj. Summer (or M. either Term), ASSISTANT PROFESSOR TRYON.

13. The Teaching of History in High Schools.—Mj. Winter, ASSISTANT PROFESSOR TRYON.

14. The Teaching of History in High Schools (continued).—Mj. Spring, ASSISTANT PROFESSOR TRYON.

30. Teaching of Community Civics.—Mj. Summer (or M. either Term), MR. DUNN.

31. The Teaching of Civics and Other Social Studies in Grammar Grades and High Schools.—Mj. Spring, ASSISTANT PROFESSOR TRYON.

32. Teaching of the Social Sciences in High Schools.—M. Summer, First Term; repeated M. Second Term, MR. DUNN.

COMMERCIAL COURSES FOR TEACHERS

Teachers of these subjects should refer for subject-matter in their field to the following courses:

Political Economy 1, 5, 6, 6X, 8B, 8C, 70X, 71X, 74X, 75X, 79, 79X, 90, 90X.

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A combination of these courses with the general courses on curriculum and high-school organization is recommended for both classroom teachers and supervisors who are concerned with the organization of high-school departments of Commerce, and also for those who are introducing social studies in the general curriculum.

HOME ECONOMICS

The Department of Home Economics is organized into three divisions, namely: (1) Foods and Nutrition; (2) Institution Economics; (3) Clothing and Household Design.

The courses of study in Foods and Clothing are arranged to train teachers and supervisors of Home Economics in elementary, secondary, and vocational schools and instructors and heads of departments for higher institutions. The courses in Institution Economics offer in addition opportunities for the training of dietitians, supervisors, and directors of college dormitories, school lunchrooms, and similar institutions.

In connection with the Department of Aesthetic and Industrial Education programs may be arranged for those students who desire to specialize in Costume Design and House Planning and Furnishing. In co-operation with the Department of Household Administration this Department offers training for social workers in institutions whose activities are largely expressed through the organization of the home.

Advanced degrees are conferred upon students in accordance with the regulations of the Graduate Schools of Arts, Literature, and Science. The specific requirements will in each case be determined by the undergraduate training of the candidate.

Candidates for the Bachelor's degree must fulfil the general Junior College requirements as specified on p. 22 and in addition the departmental requirements described below:

In the Department of Home Economics.....	9½ majors
In related sciences and arts as a preparation for courses in Home Economics.....	8 majors
In the Department of Education, including Practice Teaching.....	6 majors
Total special and professional requirements.....	23½ majors

All candidates for the Bachelor's degree will pursue the same courses during the Freshman and Sophomore years. At the end of this time students may elect the larger part of their sequences in one of the subdivisions in the Department in accordance with the desire to become teachers of foods and clothing or institutional directors and dietitians. At the present time in the majority of school systems the work in Home Economics is so organized that candidates for positions must be prepared to teach both foods and clothing. The sequences are therefore so arranged that each student satisfies the minimum requirement in one subject while taking the larger part of the work in the other.

Some opportunity will be given for experienced teachers who enter with advanced standing to specialize either in Foods and Nutrition or in Clothing and

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Household Design without satisfying the minimum requirement in the other subject. The approval of the Departmental Advisers is required for this type of specialization.

Students who enter with 18 majors of advanced standing, including the Junior College requirements and 1 unit or 2 majors of Physics, will be allowed to graduate after receiving credit for 18 majors (see limited credit courses) of specialized and professional work, which will be outlined to suit the needs of each student. Students who graduate under these conditions are, however, not so well prepared for teaching as those who have fulfilled the departmental requirements as outlined in paragraphs above.

NOTE.—The two-year course for experienced teachers leading to the Certificate in Home Economics has been discontinued. Students who have already entered this course will be allowed to complete the work, but no new registrations will be permitted.

The following tables outline the specific requirements of the four-year program:

4-Year Program in Home Economics

Junior College

1st year

*English 1	1	major
Physiology 1	1	major
Education 1 (Introduction to Education)	1	major
Art (Modeling 55 and Design 20 or Drawing and Painting 5)	2	majors
*Home Economics 1 (Food Preparation), or		
*Home Economics 100 (Elementary Sewing)	1	major
*Continuation Group	3	majors
	9	majors

2d year

English 3	1	major
General Chemistry *1 and 2 or 2S and 3S	2	majors
*Home Economics 100 (Elementary Sewing), or		
*Home Economics 1 (Food Preparation)	1	major
Education 86 or 87	1	major
Chemistry 4 or Home Economics 35 or 135	1	major
‡Electives	3	majors
	9	majors

* Limited-credit courses.

‡ May be used to complete contingent requirements.

STUDENTS SPECIALIZING PRIMARILY IN FOODS AND NUTRITION

Senior College

3d year

Home Economics 36 (Food Chemistry)	1	major
Home Economics 3 and 4 (Study of Foods)	2	majors
Home Economics 152 (Textiles)	1	major
Home Economics 135 (Costume Design)	1	major
Education (elective)	1	major
Household Administration 42 (Sanitation)	1	major
Electives	2	majors
	9	majors

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Senior College

4th year

Home Economics 38 or 39 (Nutrition and Dietaries)	1 major
Home Economics 60 (Theory of Teaching Foods and Household Management)	1 major
Home Economics 161 (Theory of Teaching Clothing and Household Design)	½ major
Education (elective)	1 major
Education, Practice Teaching	2 majors
Electives	3½ majors
	9 majors

STUDENTS SPECIALIZING PRIMARILY IN INSTITUTION ECONOMICS

Senior College

3d year

Home Economics 3 or 5 (Elementary Food Study)	1 major
Home Economics 70 (Institution Cooking)	1 major
Home Economics 71 (Institution Dietetics)	1 major
Home Economics 141 (House Planning and Furnishing)	1 major
Home Economics 38A (Nutrition)	½ major
Education (elective)	1 major
Electives	3½ majors
	9 majors

4th year

Home Economics 72 (Institution Organization and Equipment)	1 major
Home Economics 61 (Theory of Teaching Foods and Household Management)	½ major
Education, Practice Teaching	2 majors
Education (elective)	1 major
Electives	4½ majors
	9 majors

STUDENTS SPECIALIZING PRIMARILY IN CLOTHING AND HOUSEHOLD DESIGN

Senior College

3d year

Home Economics 152 (Textiles)	1 major
Home Economics 102 (Study of Costume)	1 major
Home Economics 138 (Costume Design)	1 major
Home Economics 3 or 5 (Study of Foods)	1 major
Political Economy 1 and 2	2 majors
Education 56	1 major
Electives	2 majors
	9 majors

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Senior College
4th year

Home Economics 160 (Theory of Teaching Clothing and Household Design)	1 major
Home Economics 8 or 35 or 36 (Dietaries or Food Chemistry)	1 major
Home Economics 61 (Theory of Teaching Foods and Household Management)	½ major
Home Economics 141 (House Planning and Furnishing)	1 major
Education (elective)	1 major
Education, Practice Teaching	2 majors
Electives	2½ majors
	9 majors

ADVISED ELECTIVES

Political Economy	History of Art
Political Science	Bacteriology
Geography 3	Public Hygiene
Psychology	Zoölogy 1
English 40, 41	History and Other Social Studies 12, 13, or 31
Sociology	Household Administration
Chemistry 6, 8	
Aesthetic and Industrial Education	

SUMMARY

In general, the required departmental sequences are as follows:

1. Foods and Nutrition:
   Foods and Nutrition: 1, 3, 4, 36, 38 or 39, 60
   Clothing and Household Design: 100, 135, 150 or 152, 161
2. Institution Economics:
   Foods and Nutrition: 1, 3 or 5, 35 or 36, 38A (½), 61
   Institution Economics: 70, 71, 72
   Clothing and Household Design: 100, 141
3. Clothing and Household Design:
   Foods and Nutrition: 1, 3 or 5, 8 or 35, 61
   Clothing and Household Design: 100, 102, 135 or 136, 141, 150 or 152, 160

The eight majors which are required in related sciences and arts as a preparation for Home Economics are as follows:

Five majors common to the three divisions of the Department, which are:
2 majors in Art, including Elementary Modeling
2 majors in General Chemistry
1 major in Physiology

The other three majors are as follows:

In Food and Nutrition:
Bacteriology 1
Chemistry 4
Household Administration 42 (Sanitation)

In Institution Economics:
Bacteriology 1
Political Economy—Accounting
Public Hygiene

In Clothing and Household Design:
Art—preferably Drawing and Painting 16
Political Economy 0 and 1

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I. FOODS AND NUTRITION

JUNIOR COLLEGE COURSES

*†**1. Food and Its Preparation.**—M. or DM. Summer, Miss Atwater, Miss Ward, Miss Crum, and Miss Newlands; Mj. Autumn, Spring, Miss Allen.

*†**2A. Advanced Cooking.**—M. Summer, First Term; repeated M. Second Term, Miss Ward, Miss Crum.

SENIOR COLLEGE COURSES

3. Study of Foods.—M. Summer, First Term; Mj. Winter, Miss Elizabeth W. Miller.

4. Study of Foods (continued).—Mj. Spring, Miss Elizabeth W. Miller.

5. Elementary Food Study.—Mj. Summer (or M. either Term), Miss Crum; Mj. Autumn, Spring, Miss Allen.

6. Problems in Experimental Cooking.—Mj. Summer (or M. either Term); Mj. Spring, Miss Elizabeth W. Miller.

8. Elementary Dietary Problems.—M. Summer, First Term; Mj. Winter, Miss Hanna.

35. Elementary Organic and Food Chemistry.—Mj. Autumn, Assistant Professor Blunt and Miss Halliday.

36. Chemistry of Food.—Mj. Summer, Autumn, Winter, Assistant Professor Blunt and Miss Halliday.

37. Chemistry of Food (continued).—Mj. Autumn, Assistant Professor Blunt and Miss Halliday.

38A. Nutrition.—M. Summer, First Term; repeated M. Second Term, Assistant Professor Blunt and Miss McKee; M. Winter, First Term, Assistant Professor Blunt and Miss Elizabeth W. Miller.

38B. Nutrition (continued).—M. Summer, Second Term, Assistant Professor Blunt and Miss McKee; M. Winter, Assistant Professor Blunt.

39A. Dietaries.—M. Summer, Second Term; M. Winter, Miss Elizabeth W. Miller.

41. Field Work in Dietaries.—M. Autumn, Winter, Spring, Assistant Professor Blunt and Miss Elizabeth W. Miller.

Research in Chemistry of Foods.—Mj. Summer, Autumn, Winter, Assistant Professor Blunt.

60. Theory of Teaching Foods and Household Management.—Mj. Summer (or M. First Term); Mj. Autumn, Winter, Miss Hanna.

61. Theory of Teaching Foods and Household Management.—M. Autumn, Winter, Miss Hanna.

63. Secondary-School Problems in Home Economics.—[Not given in 1917–18.]

68. Household Organization.—M. Autumn, Miss Hanna.

†**95. Practice Teaching in Foods and Nutrition.**—Mj. or M. Autumn, Winter, Spring, hours to be arranged, Miss Hanna and Assistant.

II. INSTITUTION ECONOMICS

†**70. Institution Cooking.**—M. Summer, First Term, Miss McKenny, Miss Dana, and Miss Hicks; Mj. Autumn, Winter, Miss McKenny and Miss Hicks.

71. Applied Dietetics.—Mj. Winter, Spring, Miss Usher and Miss McKenny.

72. Organization and Equipment.—Mj. Spring, Assistant Professor Colburn.

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73. Marketing.—M. Summer, First Term, Miss Usher; Mj. Autumn, Assistant Professor Colburn, Miss Dickey.

75. Institution Administration.—[Not given in 1917–18.]

76. Problems in Institution Economics.—Mj. [Not given in 1917–18.]

III. CLOTHING AND HOUSEHOLD DESIGN

†**96. Practice Teaching in Clothing and Household Design.**—Mj. or M. Autumn, Winter, Spring, hours to be arranged, Assistant Professor Van Hoesen and Miss Knapp.

*†**100. Elementary Sewing.**—DM. Summer, First Term; repeated DM. Second Term, Miss Margaret Van Hoesen; Mj. Autumn, Winter, ———.

†**101. Advanced Sewing.**—[Not given in 1917–18.]

102. Study of Costume.—DM. Summer, First Term; repeated DM. Second Term; Mj. Autumn, Spring, Miss Webb.

103. Study of Costume (continued).—Mj. Spring, Miss Webb.

109. Principles of Garment Construction.—M. Autumn, Miss Webb.

110. Drafting.—M. Summer, Second Term, Miss Hanna.

†**120. Elementary Millinery.**—DM. Summer, Second Term, Miss Lyon.

†**121. Advanced Millinery.**—Mj. [Not given in 1917–18.]

†**130A. The Handwork of Household Art.**—M. Summer, First Term, Miss McNeal.

132. Applied Design.—Mj. [Not given in 1917–18.]

135. Costume Design.—M. Summer, First Term; repeated M. Second Term, Miss Ernst, Miss Hunter; Mj. Autumn, Assistant Professor Ethelwyn Miller; Winter, Spring, Miss Knapp.

136A. Constructive Costume Design.—M. Summer, First Term, Miss Ernst.

138. History of Costume.—Mj. Winter, Assistant Professor Ethelwyn Miller.

139. Advanced Costume Design.—Mj. Spring, Assistant Professor Ethelwyn Miller.

141. Household Design.—M. Summer, First Term, Assistant Professor Ethelwyn Miller; repeated M. Second Term, Miss Hunter; Mj. Autumn, Spring, Assistant Professor Ethelwyn Miller.

142A. Constructive House Design.—M. Summer, First Term, Assistant Professor Ethelwyn Miller.

145. House Planning and Furnishing.—Mj. Winter, Assistant Professor Ethelwyn Miller.

146. Advanced House Planning and Furnishing.—Mj. [Not given in 1917–18.]

150. Elementary Textiles.—M. Summer, First Term, Miss Hunter; Mj. Autumn, Assistant Professor Van Hoesen and Miss Webb.

152. Textiles.—Mj. Summer (or M. First Term), Assistant Professor Van Hoesen, Miss McNeal, Mrs. Page; Mj. Autumn, Winter, Assistant Professor Van Hoesen; Spring, Assistant Professor Van Hoesen and Miss Knapp.

160. The Theory of Teaching Clothing and Household Design.—Mj. Autumn, Spring, Assistant Professor Van Hoesen.

161. The Theory of Teaching Clothing and Household Design in Elementary Schools.—M. Summer, First Term; M. Autumn, Spring, Assistant Professor Van Hoesen.

162. The Theory of Teaching Clothing and Household Design in Secondary Schools.—M. Summer, First Term, Assistant Professor Van Hoesen.

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165. A Survey of the Organization of Home Economics.—Mj. Winter, ASSISTANT PROFESSOR VAN HOESEN.

170. Investigation of Trade Problems.—Mj. ASSISTANT PROFESSOR VAN HOESEN. [Not given in 1917–18.]

LATIN

13. The Teaching of First-Year Latin.—Mj. Summer (or M. either Term), MR. CARR.

14. The Teaching of Second-Year Latin.—Mj. Spring, MR. CARR.

ENGLISH

The courses in this Department are planned for students who are preparing to teach or to supervise English in elementary or in secondary schools. The needs of prospective teachers and of experienced teachers are considered in organizing the courses. Since all of the work in the educational aspects of English is supplementary to collegiate courses in composition and literature, the courses for teachers ought to be taken during the fourth year of college work.

Students taking principal sequences in Education may elect secondary sequences in English. Such sequences should include one or two special-methods courses in English and a sufficient number of Senior College courses in English to make a total of six majors. The prerequisites to such sequences are the Junior College requirements in English.

Students desiring to pursue secondary sequences in English should consult the Departmental Adviser, secure approved sequences, and file copies of the same in the Dean's Office.

7. Teaching of Composition in the Secondary School.—Mj. Autumn, ASSOCIATE PROFESSOR LYMAN.

7A. Teaching of Composition in Secondary Schools: General Survey.—M. Summer, First Term; repeated M. Second Term, ASSOCIATE PROFESSOR LYMAN.

7B. Teaching of Composition in Secondary Schools: Advanced Course.—M. ASSOCIATE PROFESSOR LYMAN. [Not given in 1917–18.]

12. Teaching of Oral English in the Secondary School.—Mj. Spring, ASSOCIATE PROFESSOR LYMAN.

12A. Oral Composition in the Secondary School.—M. Summer, First Term, MR. O'HARA.

12B. Drama Study and Presentation in the Secondary School.—M. Summer, First Term, MR. O'HARA.

14. Teaching of English in Intermediate and Grammar Grades.—M. Summer, First Term, MISS LALLY; repeated M. Second Term, MISS GEYER.

15. Teaching of Literature in the Elementary Schools.—M. Summer, First Term, MISS LALLY; repeated M. Second Term, MISS GEYER; Mj. Winter, MISS LALLY.

16. Teaching of Reading in the Intermediate Grades.—M. Summer, First Term, sec. *a*, sec. *b*, MISS MCLAUGHLIN.

80. Teaching of Literature in Secondary Schools.—Mj. Winter, ASSOCIATE PROFESSOR LYMAN.

80A. Teaching of Literature in the High School: General Survey.—M. Summer, First Term; repeated M. Second Term, ASSOCIATE PROFESSOR LYMAN.

80B. Teaching of Literature in the High School: Advanced Course.—M. ASSOCIATE PROFESSOR LYMAN. [Not given in 1917–18.]

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GERMANICS

97Y. The Teaching of German in the Secondary School.—Mj. Summer, Autumn, MR. WEIGEL.

MATHEMATICS

The work of this Department is designed to meet the needs of those students who are preparing (1) to teach elementary-school mathematics; (2) to teach secondary mathematics; (3) to teach mathematics in normal schools and schools of education; and (4) to supervise the teaching of mathematics in elementary and high schools.

Students who take their principal sequences in Education may elect secondary sequences in mathematics. Such sequences should include one or two courses in the theory of teaching mathematics and a sufficient number of college courses to make a total number of six majors, provided that the courses elected are not mathematical majors whose numbers begin with 0, and provided one major is included whose number is higher than 14.

Students desiring to pursue secondary sequences in mathematics should consult the Departmental Adviser, secure approved sequences, and file copies of the same in the Dean's Office.

1. The Teaching of Elementary-School Mathematics.—M. Summer, either Term; Mj. Winter, PROFESSOR MYERS.

2. The Teaching of Secondary Mathematics.—M. Summer, either Term; Mj. Autumn, MR. BRESLICH; Spring, PROFESSOR MYERS.

3. Supervisor's Course in Elementary Mathematics.—Mj. Spring, PROFESSOR MYERS.

5. History of Mathematics.—Mj. Winter, PROFESSOR MYERS.

GEOGRAPHY

The courses in this Department are planned for students who are preparing (1) to teach geography in elementary or high schools; (2) to supervise the teaching of geography in elementary schools; and (3) to teach geography in normal schools.

Students taking principal sequences in Education may elect secondary sequences in Geography. Such sequences should include one or two special-methods courses and a sufficient number of courses in geography to make a total of six majors. The prerequisite to such sequences is Geography 3 (Commercial Geography).

Students desiring to take secondary sequences in geography should consult the Departmental Adviser, secure approved sequences, and file copies of the same in the Dean's Office.

1. Geography in the Primary Grades: Home and World Geography.—M. Summer, First Term; Mj. Autumn, ASSOCIATE PROFESSOR BABER.

2. Geography in the Grammar Grades: Australia, New Zealand, and the South Sea Islands.—Mj. ASSOCIATE PROFESSOR BABER. [Not given in 1917–18.]

5. Geography in the Grammar Grades: North America.—M. Summer, First Term; Mj. Spring, ASSOCIATE PROFESSOR BABER.

6. Geography in the Grammar Grades: Eurasia.—Mj. ASSOCIATE PROFESSOR BABER. [Not given in 1917–18.]

8A. Geography in the Grammar Grades: South America.—M. Summer, Second Term, ASSOCIATE PROFESSOR BABER.

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15. The Supervision of Geography in the Elementary School.—Mj. Autumn, ASSOCIATE PROFESSOR BABER.

20. Geography in the High School.—M. Summer, Second Term; Mj. Spring, ASSOCIATE PROFESSOR BABER.

NATURAL SCIENCE

The courses in this Department are intended to meet the needs of (1) students in Education and other departments who desire introductory courses in elementary science; (2) students who are preparing to teach the biological and physical sciences in secondary and normal schools; and (3) experienced teachers who are preparing for supervisory positions.

Students taking principal sequences in Education may elect secondary sequences in Natural Science. These sequences combine the courses in this Department with courses elected from the departments of Physics, Chemistry, Geology, Zoölogy, Physiology, and Botany and form rational sequences. It is advised that students intending to take principal sequences in this Department elect science during their Junior College courses. Such election makes it possible for considerable advanced work to be taken in addition to the special-methods courses in the Department.

Students desiring to take sequences in this Department should consult the Departmental Adviser and secure approved sequences, which should be filed in the Dean's Office.

1. Elementary Science: Plant and Animal Life.—Mj. Summer (or M. either Term), ASSOCIATE PROFESSOR DOWNING AND DR. HARVEY; Mj. Autumn, ASSOCIATE PROFESSOR DOWNING.

2. Elementary Science: Physical Science.—M. Summer, First Term; Mj. Spring, ASSOCIATE PROFESSOR DOWNING.

7. The Organization of Elementary Science (Nature-Study) in the Grade Curriculum.—M. Summer, Second Term; Mj. Autumn, ASSOCIATE PROFESSOR DOWNING.

10. Teaching of General Science.—Mj. Winter, MR. PIEPER.

21. Botany in the High Schools.—M. Summer, First Term; repeated M. Second Term, DR. HARVEY.

31. Biology in Secondary Schools.—Mj. Spring, ASSOCIATE PROFESSOR DOWNING.

40. The Teaching of Zoölogy.—M. Summer, First Term, ASSOCIATE PROFESSOR DOWNING.

50. Methods of Teaching High-School Physics.—Mj. Summer (or M. either Term); Mj. Winter, MR. WILKINS.

51. The Pedagogy of High-School Physics.—DMj. Summer (or DM. either Term), MR. WILKINS.

KINDERGARTEN-PRIMARY EDUCATION

The courses in this Department are designed to meet the needs of (1) students who are qualifying for the Bachelor's degree in Education and who wish to make Kindergarten-Primary Education either their principal or their secondary sequence; (2) students of previous training and experience who wish to prepare for normal-school or supervising positions in Kindergarten-Primary Education; (3) students who are preparing for teaching and desire to become candidates for the Kindergarten-Primary Certificate. The Department offers advanced courses which are open only to teachers of experience. The elementary

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courses are so organized and conducted as to meet the needs both of the advanced students and of those who are preparing primarily for classroom teaching.

The Department has organized the following courses:

1. A four-year course leading to the *Bachelor's degree in Education.*
2. A one-year course leading to the *Supervisor's Certificate.*
3. A two-year course leading to the *Kindergarten-Primary Certificate.*

1. THE BACHELOR'S DEGREE IN EDUCATION

Candidates for the degree of Ph.B. in Education with Kindergarten-Primary Education as their principal sequence must complete, in addition to all admission and Junior College requirements (19 and 22), 6 majors of Education, including courses 1 and 86 and 2 majors of practice teaching, a sequence of 9 majors made up of courses from the Department of Kindergarten-Primary Education and other departments in the College of Education which offer courses in the teaching of primary-grade subjects, and 3 elective majors subject to the approval of this Department. The major sequence must be approved in each case by the Departmental Adviser.

2. THE SUPERVISOR'S CERTIFICATE

A one-year course preparatory to supervision in kindergartens or primary schools is provided for graduates of normal schools or kindergarten-training schools who have had in addition three years of experience in teaching and receive at least 9 majors of advanced standing. Many capable students who have had such training and experience may be prepared, by doing one year of specialized work, to serve successfully as critic teachers or as supervisors in city systems. There are more demands for trained critic teachers in the normal schools than can be supplied.

The requirements for the Supervisor's Certificate are the following:

1. The general admission requirements. See p. 97.
2. Graduation from a normal school or kindergarten-training school with sufficient credit to secure 9 majors advanced standing in the University of Chicago.
3. Three years' successful teaching experience in a regularly organized school.
4. One quarter of physical culture of four hours a week.
5. The satisfactory completion of 9 majors with 18 grade-points, to be distributed as follows:

For Kindergarten Supervisors—

	Majors
a) Education (namely, course 46, The Curriculum; 92, Criticism and Supervision of Teaching)	2
b) Practice Teaching (or an exemption test)	1
c) Kindergarten-Primary Education (namely, course 7, Critical Study of the Kindergarten Curriculum and Methods (Advanced); 10, Kindergarten-Primary Training and Supervision (Advanced); 3, Primary-School Methods	3

For Primary Supervisors—

	Majors
a) Education (namely, course 46, The Curriculum; 92, Criticism and Supervision of Teaching)	2
b) Practice Teaching (or an exemption test)	1
c) Kindergarten-Primary Education (namely, course 3, Primary-School Methods; and one elective)	2

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For Kindergarten Supervisors (continued)—

	Majors
d) Hygiene and Physical Education (School Hygiene)	1
e) Electives related to the Kindergarten and Primary Curriculum (to supplement previous training in special subjects)	2
Total with 18 grade-points	9

For Primary Supervisors (continued)—

	Majors
d) Hygiene and Physical Education (School Hygiene)	1
e) Electives related to the Kindergarten and Primary Curriculum (to supplement previous training in special subjects)	3
Total with 18 grade-points	9

Teachers of three years' experience who can fulfil the general college admission requirements but have not 9 majors of advanced standing may complete the requirements for the Supervisor's Certificate in from four to six quarters, depending on the amount of advanced standing which they receive. The advanced standing and residence work together must make a total of 18 majors. The residence work must include the 9 majors outlined above and other courses related to elementary-school supervision which are approved by the student's adviser. In addition to the one quarter of physical culture required of all candidates for this certificate, those entering with less than 9 majors of advanced standing will take one additional quarter of physical culture if they have from 5 to 7 majors of advanced standing, and two additional quarters of physical culture if they enter with less than 5 majors of advanced standing.

3. THE KINDERGARTEN-PRIMARY CERTIFICATE

A two-year course is provided for students who expect to teach either in kindergartens or in the first three grades of the elementary school. Owing to the rapid unification of the work of the kindergarten and the primary grades that is taking place in progressive school systems, it is desirable that kindergarten teachers should receive some training in primary methods and that primary teachers should receive some training in kindergarten methods. The requirements for the certificates, however, are so arranged as to permit of preparation for either kindergarten or primary teaching.

The requirements for the Kindergarten-Primary Certificate are the following:

1. The general admission requirements. See p. 97.

2. The contingent distributive requirements in the social sciences, foreign language, mathematics, and natural sciences. See p. 371.

3. A sequence of three subject-matter courses, for all students whose general average during the first three quarters of residence falls below "B−."

4. Two quarters of physical culture of 4 hours a week and one quarter of 2 hours a week.

5. The satisfactory completion of 18 majors with 36 grade-points. The majors must be distributed as follows:

For students specializing in kindergarten teaching—

	Majors
a) Education (namely, course 1, Introduction to Education; 86, Methods of Teaching in Elementary Schools)	2

For students specializing in primary teaching—

	Majors
a) Education (namely, course 1, Introduction to Education; 86, Methods of Teaching in Elementary Schools)	2

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For students specializing in kindergarten teaching (continued)—	Majors
b) Practice Teaching (namely, two in the kindergarten; one in the primary grades)	3
c) Kindergarten-Primary Education (including course 3, Primary-School Methods)	4
d) Subjects related to the Kindergarten and Primary Curriculum (to be chosen from at least 3 of the following departments in the College of Education: History, Natural Science, English, and Art; and Kindergarten-Primary Education 17)	5
e) English 1	1
) Electives (to be selected by the student, subject to the approval of the Departmental Adviser)	3
Total with at least 36 grade-points	18

For students specializing in primary teaching (continued)—	Majors
b) Practice Teaching (namely, two in the primary grades)	2
c) Kindergarten-Primary Education (including course 3, Primary-School Methods, and an elective in Practice Teaching if so advised)	3
d) Subjects related to the Kindergarten and Primary Curriculum (namely, one in each of the following departments in the College of Education: History, English, Geography, Natural Science, Mathematics, and Art; and Kindergarten-Primary Education 17)	7
e) English 1	1
f) Electives (to be selected by the student, subject to the approval of the Departmental Adviser)	3
Total with at least 36 grade-points	18

The practice-teaching courses of this Department are provided through the kindergarten and primary grades of the University Elementary School and a number of public and private kindergartens on the South Side which co-operate with this Department. This secures a varied experience for the student in practice teaching.

Students may not register for any of the following courses without the approval of the Departmental Adviser:

1. Introduction to Kindergarten Education.—Mj. Autumn, Miss Martin.

3. Primary-School Methods.—Mj. Autumn, Miss Curtis.

3A. Primary-School Methods: Reading, Language, and Literature.—Sec. *a*, M. Summer, First Term; repeated M. Second Term, Miss Townsend; sec. *b*, M. First Term, Miss Curtis; sec. *c*, M. First Term, Miss Troxell.

3B. Primary-School Methods: Number and Science.—M. Summer, First Term, sec. *a*; sec. *b* same as sec. *a*, but planned especially for supervisors, Miss Wygant.

3C. Primary-School Methods.—Sec. *a*, M. Summer, First Term; repeated M. Second Term, Miss Townsend; Sec. *b*, M. First Term, Miss Curtis.

†5. Constructive Occupations: Principles and Methods Underlying Their Use.—Sec. *a*, M. Summer, First Term; repeated M. Second Term, Miss Berry, Miss Martin; sec. *b*, M. First Term, Miss Berry; ½Mj. Winter, Miss Martin.

6. The Kindergarten Curriculum.—Mj. Autumn, Assistant Professor Temple.

7. Critical Study of the Kindergarten Curriculum and Methods (Advanced).—Mj. Autumn, Assistant Professor Temple.

7A. Critical Study of the Kindergarten Program and Methods.—M. Summer, First Term; repeated M. Second Term, Assistant Professor Temple.

10. Kindergarten-Training and Supervision (Advanced).—Mj. Summer (or M. either Term); Mj. Spring, Assistant Professor Temple.

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14. Literature in the Kindergarten and Primary Grades.—M. Summer, First Term, sec. *a*, sec. *b*, MISS HILL.

†15. Plays and Games.—M. Summer, First Term; repeated M. Second Term; ½Mj. Winter, MISS MARTIN.

†17. Music in the Kindergarten and Primary Grades.—Mj. Winter, Spring, MRS. KERN.

†95. Practice Teaching in the Kindergarten.—Mj. Autumn, Winter, MISS MARTIN; Spring, ASSISTANT PROFESSOR TEMPLE.

†96. Advanced Practice Teaching.—Mj. Autumn, Winter, MISS MARTIN; Spring, ASSISTANT PROFESSOR TEMPLE.

†97. Practice Teaching in the Primary Grades.—Mj. Autumn, Winter, Spring, ASSISTANT PROFESSOR GRAY.

HYGIENE AND PHYSICAL EDUCATION

02. Games, Folk Dances, Story-Plays, and Schoolroom Gymnastics.—Grades I–IV inclusive.—Non-credit, Summer, First Term, MISS STILES.

03. Games, Folk Dances, and Schoolroom Gymnastics.—Grades V–VIII inclusive.—Non-credit, Summer, First Term, MISS STILES.

1. School Hygiene.—Mj. Winter, DR. REED.

AESTHETIC AND INDUSTRIAL EDUCATION

The courses in this Department are planned to meet the needs of (1) students who are preparing to supervise instruction in the arts in elementary and high schools; (2) students who are preparing to teach the arts in secondary, normal, or technical schools and in colleges; (3) students of Education who desire some training in the arts.

The program of study for the four-year course leading to the degree of Ph.B. in Education is as follows:

Junior College

1st year

English 1	1 major
Continuation Group (see p. 22)	3 majors
Education 1 (Introduction to Education)	1 major
Drawing and Painting 6 (Drawing and Painting)	1 major
Design 20 (Introductory Design)	1 major
Electives[1]	2 majors
	9 majors

2d year

English 3	1 major
Education 62 (Introduction to the Psychology of Elementary-School Subjects)	1 major
History or English	1 major
Design 21 or 24 (Advanced Design)	1 major
Drawing and Painting 9 (Drawing and Painting, continued)	1 major
Modeling and Ceramics 55 (Elementary Modeling)	1 major
Electives[1]	3 majors
	9 majors

[1] May be used in satisfying the contingent distributive requirements. (See p. 371.)

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Senior College

3d year

Education 86 or 87 (Methods of Teaching)	1 major
Education 56 (General Principles of Fine and Industrial Art), or	
Modeling and Ceramics 56 (Advanced Modeling)	1 major
Drawing and Painting 12 (Advanced Drawing and Painting), and Drawing and Painting 16 (Color in Pictorial and Decorative Art), or	
Drawing and Painting 18 (Elements of Pictorial Expression)	2 majors
Modeling and Ceramics 50 (Elementary Pottery)	1 major
Electives	4 majors
	9 majors

4th year

Drawing and Painting 16 (Color in Pictorial and Decorative Art), or	
Drawing and Painting 18 (Elements of Pictorial Expression)	1 major
Modeling and Ceramics 56 (Advanced Modeling), or	
Modeling and Ceramics 51 (Advanced Pottery)	1 major
Education, Practice Teaching	2 majors
Education (elective)	1 major
Electives	4 majors
	9 majors

ADVISED ELECTIVES

1st year

Manual Training 70A
Manual Training 70B
Home Economics—Clothing and Household Design
History 1, 2, 3
Chemistry 1
English 40

2d year

Natural Science 1
Drawing and Painting 7
Home Economics 140A
Chemistry 2

3d and 4th years

Philosophy 7
History of Art 25
Sociology
History A5, B7, B65
Botany 1
History 21, 22, 23
Home Economics 130
Home Economics 135
Home Economics 145
Home Economics 152
Public Speaking

†**95. Practice Teaching.**—Mj. Autumn, Winter, Spring, MISS ELIZABETH E. MILLER.

A. DRAWING AND PAINTING

5. Introductory Drawing and Painting.—Mj. Spring, MISS HOLLISTER.

†**6. Drawing and Painting.**—M. Summer, First Term; repeated M. Second Term, MISS ELIZABETH E. MILLER, MISS HOLLISTER, MISS LATHE, MISS SOPER; Mj. Autumn, MRS. BROWN.

†**7. Drawing and Painting for the Kindergarten and Primary Grades.**—Mj. Winter, MRS. BROWN.

9. Drawing and Painting (continued).—Mj. Spring, MRS. BROWN.

12. Advanced Drawing and Painting.—M. Summer, First Term; repeated Second Term, MR. HUMPHREY; Mj. Autumn, PROFESSOR SARGENT.

16. Color in Pictorial and Decorative Art.—M. Summer, First Term, PROFESSOR SARGENT AND MISS KIMBER; Mj. Winter, PROFESSOR SARGENT.

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18A. The Elements of Pictorial Expression. M. Summer, Second Term, PROFESSOR SARGENT.

†**30. Mechanical Drawing.**—Mj. or DMj. Summer (or M. or DM. either Term); Mj. Autumn, Winter, Spring, hours to be arranged, MR. FULTZ.

31. Machine Drawing.—Mj. or DMj. Summer (or DM. either Term); Mj. Autumn, Winter, Spring, MR. FULTZ.

32. Architectural Drawing.—Mj. or DMj. Summer (or DM. either Term); Mj. Autumn, Winter, Spring, MR. FULTZ.

B. DESIGN

†**20. Introductory Design.**—M. Summer, First Term; repeated M. Second Term, MISS LATHE, MISS KIMBER, MISS SOPER; Mj. Autumn, Winter, Spring, MRS. BROWN.

21A. Advanced Design.—M. Summer, First Term; repeated M. Second Term, MR. HUMPHREY.

24. Applied Design.—Mj. Winter, ASSISTANT PROFESSOR WHITFORD.

28. Design Applied to Manual-Training Projects.—Mj. Summer (or M. either Term), MR. PERRY.

C. MODELING AND CERAMICS

†**50. Elementary Pottery.**—Mj. Summer (or M. either Term), MR. POPE, ASSISTANT PROFESSOR WHITFORD; Mj. Autumn, Winter, ASSISTANT PROFESSOR WHITFORD.

†**51. Advanced Pottery.**—M. Summer, Second Term; Mj. Autumn, Spring, ASSISTANT PROFESSOR WHITFORD.

55. Elementary Modeling.—Mj. Summer (or M. either Term); Mj. Spring, MISS HOLLISTER.

56. Advanced Modeling.—Mj. MISS HOLLISTER. [Not given in 1917–18.]

D. MANUAL TRAINING

The courses of this Department cover the work of the elementary school, the secondary school, the normal school, and the college, and are so planned as to present the industrial arts in their historical, pedagogical, vocational, and technical aspects. They are planned to meet the needs of (1) prospective supervisors and directors of manual training and industrial education, and (2) prospective teachers of the more technical phases of the mechanical arts.

The demand for competent supervisors and directors of manual training and industrial education is being met largely by experienced teachers who have had previous technical training. Adequate preparation for supervisory positions includes broad professional training as well as a clear grasp of the technical issues involved. Many mature students prepare for supervisory positions in a sequence which leads to a higher degree. The requirements for the Master's degree are given on page 368 of this *Volume*. The College of Education furnishes excellent opportunities for professional training through the supervisory courses in the Department of Education and through specialized courses in industrial education. The hand and industrial work in the University Elementary and High Schools, as well as in many public schools in and about Chicago, affords unusual opportunities for advanced students to secure a concrete knowledge of both technical and supervisory problems.

Students who specialize in manual training and industrial education may secure Bachelors' degrees by fulfilling the College requirements for the Bachelor's

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degree in Education given on page 371. Students who elect proper sequences from the beginning may receive adequate preparation for teaching and supervising mechanical arts by taking principal sequences (9 majors) in this Department and minor sequences (6 majors) in Education. It is possible for a student to take as many as 15 majors in the Department of Aesthetic and Industrial Education while working for the Bachelor's degree in Education.

Students who enter with considerable advanced standing in the mechanical arts and who are preparing for supervisory positions may take principal sequences in Education and secondary sequences in this Department. The entrance requirements of the College permit as many as five units of entrance credit for high-school work in the mechanical arts.

While it is expected that most of the necessary technical training will be secured by students before coming to the University, or will be taken during the Summer Quarter, when numerous courses are given, the Department offers a limited opportunity for such training during the year in connection with the High-School classes. In order to meet the needs of those who wish to specialize in the technical work, however, an agreement has been made whereby the University of Chicago will accept, as three majors of credit toward the degree of Ph.B. in Education, a total of 360 hours, in each of the last two years, of accepted work taken in the Armour Institute in the following combination:

SHOPWORK	ENGINEERING	DRAWING
80 to 160 hours	80 to 160 hours	80 to 160 hours
Advanced Forge	Kinematics	Machine Drawing
Advanced Foundry	Machine Design	Architectural Drawing
Advanced Machine Tool	Strength of Materials	Descriptive Geometry
Advanced Pattern-Making		

By virtue of the co-operative arrangement with Armour Institute it will be possible for students to avail themselves of the opportunities offered by its engineering department and to take in that institution an amount of work equivalent to six majors.

It is believed that an unusual opportunity is here offered to high-school graduates desiring to prepare themselves to teach manual training and for graduates of two-year normal courses to obtain a more complete preparation for their work and at the same time to secure a college degree. It should be observed that a student may choose his electives from the entire curriculum presented by the University of Chicago.

In addition to the work regularly listed in courses there is opportunity for study of methods in various classrooms in the School of Education and in other schools and for practice teaching in the School of Education. Excursions are made to factories, shops, and schools offering industrial courses.

Students desiring to pursue principal or secondary sequences in Manual Training should consult the Departmental Adviser, secure approved sequences, and file copies of the same in the Dean's office.

†70A. Elementary Constructive Work.—Mj. Summer (or M. either Term), Miss Langley.

†70B. Elementary Woodworking.—Mj. Spring, Miss Langley.

72. English Houses and Furniture.—Mj. Summer (or M. either Term); Mj. Spring, Miss Langley.

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†**74. Elementary Tool Technique.**—Mj. Autumn, hours to be arranged, MR. FILBEY.

76. Elementary Cabinet-Making.—Mj. Summer (or M. either Term), MR. PERRY.

†**77A. Wood-Turning.**—Mj. Summer (or M. either Term); Mj. Winter, hours to be arranged, MR. FILBEY.

77B. Pattern-Making.—Mj. Summer (or M. either Term); Mj. Autumn, Winter, Spring, hours to be arranged, MR. FILBEY.

†**78. Forge Work.**—M. Summer, First Term, MR. BUERCKHOLTZ; M. Autumn, hours to be arranged, MR. FULTZ.

†**81. Machine-Shop Practice.**—Mj. or DMj. Summer (or M. or DM. either Term); Mj. Winter, hours to be arranged, MR. BUERCKHOLTZ.

92A. Methods of Teaching Printing.—M. Summer, First Term, MISS STILWELL.

92B. Laboratory Course in Printing.—M. Summer, First Term, MISS STILWELL.

NOTE.—Students wishing to do advanced work in printing can arrange for it with the instructor.

94. Supervision of the Manual Arts in Elementary and High Schools.—Mj. Spring, ASSOCIATE PROFESSOR LEAVITT.

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VI. THE SCHOOL OF COMMERCE AND ADMINISTRATION

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ALBERT CLAIRE HODGE, PH.B., Instructor in Economics, University of Minnesota (Summer, 1917).

GENERAL STATEMENT

This division of the University has under one organization the functions which in some institutions are performed by schools or colleges of commerce, the functions which in other institutions are performed by schools for social workers, and the functions which in still other institutions are given over to bureaus of municipal research. The work is grouped as follows:

I. The Business Division, for those expecting to engage in the various business pursuits, such as accountancy, banking, brokerage, foreign trade, insurance, etc.

II. The Business Teaching Division, for those expecting to teach commercial subjects in either secondary schools or colleges.

III. The Secretarial Division, for those expecting to engage in secretarial work.

IV. The Philanthropic Service Division, for those expecting to serve in charitable organizations, playground work, settlement work, child-welfare agencies, civic organizations, social research, etc.

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For those who take their undergraduate work wholly or in part in the School the entrance requirements and the amount of work required for the Bachelor's degree (four years) are the same as in the other undergraduate colleges of the University. In accordance with the general organization of the University, the first two years of college work constitute the Junior College work, on the completion of which a certificate and the title of Associate are given and the student enters the Senior College. Upon the satisfactory completion of the undergraduate work the degree of Ph.B. is conferred.

Graduate work, leading to the A.M. and Ph.D. degrees, is available for those who have completed the undergraduate work in the School and for those who have taken their undergraduate work in other institutions.

STATEMENT OF TRAINING

ORGANIZATION OF SCHOOL

The School of Commerce and Administration is an undergraduate-graduate professional school. It assumes the responsibility of giving as adequate training as it is practicable to give in four years for those who cannot attend for a more extended period. It places its emphasis, however, upon a five-year training period for those whose entire course is taken under its staff, and upon at least one year of graduate training for those whose undergraduate work has been taken at another institution.

The work was organized in 1898. A reorganization occurred in 1902, and since that date the school has ranked as one of the professional divisions of the University. In 1916 the work was given firm financial support by the gift of Mr. Hobart W. Williams in memory of Eli B. Williams and Harriet B. Williams. Under the terms of the gift an annual income of $85,000 will ultimately be available.

BASIS OF CURRICULUM

The school has committed itself to the task of developing a rounded business curriculum on the basis of dealing with the great outstanding functions of business. Development of specialized courses concerned with particular industries will be made subordinate to the major task. The curriculum represents an analysis of the functions of the business manager and the fields of study which prepare for these functions.

In general terms, the hypothesis upon which the curriculum is built is this: *The business manager administers his business under conditions imposed by his environment, both physical and social.* The student should accordingly have an understanding of the physical environment. This justifies attention to such sciences as biology, physics, chemistry, and the earth sciences. He should also have an understanding of the social environment and must accordingly give attention to civics, law, economics, social psychology, and other branches of the social sciences. A knowledge of environment is not sufficient, however. It must be supplemented with a range of courses dealing with business administration wherein the student may become acquainted with such matters as the computing aids of administration; the communicating aids of administration; organization policies and methods; the manager's relation to production, to labor, to finance, to risk bearing, to the market, to social control, etc.

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SIGNIFICANT FEATURES

1. *Broad foundation.*—Consistent with this view of the training needed by business managers, the School bases its training in business technique and business administration on a broad foundation of courses concerned with physical and social environment.

2. *Individualized curriculum.*—The policy of the School is an individualized curriculum for each student rather than rigid courses of study for groups of students. Apart from the courses required of all to make certain that every student secures an appreciation of the physical and social environment in which business is carried on and an understanding of the basic functions of business, each student's course is a matter of personal adjustment on the basis of previous training, present aptitudes, and expected future occupation. To supplement information secured from the student, the School seeks the co-operation of parents and former employers, receives frequent reports from the teaching staff, and assembles data through psychological tests.

3. *Instruction for each according to his ability.*—In keeping with the individualization of the curriculum, an effort is made to provide for each student according to his ability. When a student demonstrates his ability to go faster than the average, he is allowed to reach ahead and take more work or more advanced work. This may result in a reduction of the time required for graduation, but preferably in a fuller training.

4. *Results from each according to his ability.*—Along with the policy of giving to each according to his ability goes the policy of expecting from each results commensurate with this ability. Each student is helped to improve his methods of study and each is held up to his own best grade of work. The student who can do a high grade of work, but does work which is only mediocre, is even more certain to be forced to withdraw than the student of poor ability. To facilitate the administration of this policy, an effort is made to admit no one who will not approach his work in a professional spirit. Admission to the School may be secured only after a conference with the Dean, in which it must appear that the applicant has a serious professional purpose and that the institution has resources with which it can adequately meet the student's needs.

5. *Contact with practical affairs.*—The methods and requirements of the School keep the student in contact with practical affairs. The case method of instruction is used in the advanced courses, and class work is supplemented with lectures by experts on technical subjects and with specially conducted field trips. Research courses, offered in co-operation with the United States Bureau of Commerce, the Civic Industrial Committee of the Chicago Association of Commerce, and business organizations, bring the students into contact with representative concerns of the city and may involve their spending one or two days a week in them. Each student is also required to spend the equivalent of three months, preceding or accompanying his professional training, in active business service related to his future work.

DIVISIONS OF THE WORK

The organization of the work in four divisions appears in the following survey of the curricula designed to prepare for particular vocations. Groupings of courses are presented in the case of the business division. In actual

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administration these groupings are freely varied to meet the needs of individual students. This adjustment is likely to be considerable in the cases of students who come to the School for graduate work only, but the groupings will be of service to such students by way of suggesting appropriate undergraduate courses.

I. The Business Division.—

A. SUGGESTIONS FOR A GRADUATE COURSE

Graduate students who have a background equivalent to that of students who have taken all or part of their undergraduate work in this School should be able to complete the work required for a Master's degree in three quarters. Their schedules will be planned individually to correlate their general collegiate training with the special training for their chosen work, but will always include Business Law, Commercial Organization, Industrial Administration, and Accounting.

Graduate students whose previous training has been along other lines can seldom secure a Master's degree in three quarters. Quite aside from the requirements for the degree, such students find it to their advantage to spread their work over at least four quarters in order to have time to fill the gaps in their preparation without slighting their professional work. Attendance during the Summer Quarter is recommended as a convenient way of securing this supplementary work. Those who can finish their undergraduate work by the middle of their fourth year may do even better by entering this School in the Spring Quarter.

B. SUGGESTIONS FOR AN UNDERGRADUATE-GRADUATE COURSE

Students expecting to enter this Division are advised to take, in their secondary-school training, English, French or German or Spanish, Mathematics through Trigonometry, History, Physics, Chemistry, and Physiography. Mechanical Drawing, Shorthand, and Typewriting are also desirable. In planning their university curricula, selection will be made, according to individual needs, from the studies listed in the accompanying outline:

THE GENERAL BUSINESS COURSE

FIRST-YEAR STUDIES (INTRODUCTORY WORK)

Language, Mathematics, Science, and History as needed
English Composition
Industrial Society
Business Administration
Economic and Commercial Geography
Geography and Resources of North America
English Literature
Public Speaking
Civil Government in the United States

SECOND-YEAR STUDIES (INTERMEDIATE WORK)*

Language, Mathematics, Science, and History as needed
English Composition
Introductory Psychology
Business Psychology Courses
Financial Organization of Society
Labor Conditions and Problems
Risk and Risk Bearing in Modern Industrial Society
Market Functions and Market Structure
Economic History of the United States
United States History
American Literature
English Literature

* The more capable students carry in the second year some of the courses here listed as third-year work.

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THIRD-YEAR STUDIES (ADVANCED WORK)*

Accounting I	Advanced Courses in the Development of Industrial Society
Accounting II	Advanced Courses in Physical Environment
Accounting III	Municipal Government
Introduction to Statistics	Modern Cities
The Manager's Administration of Finance	English Composition
The Manager's Administration of Labor	Language
Social Control of Business	

* The more capable students carry in the third year some of the courses here listed as fourth-year and graduate work.

FOURTH-YEAR AND GRADUATE STUDIES (ADVANCED WORK)

Commercial Organization—Domestic Trade (2Mjs.)	Problems in the Control of Trusts and Corporations
Commercial Organization—Foreign Trade	Programs of Social Reform
Commerce of South America	Accounting Problems
Commerce of Europe	Cost Accounting
Commerce of the Orient	Statistical Theory and Method
Industrial Administration (2Mjs.)	Methods of Statistical Presentation
Business Law (4Mjs.)	Bank Management
Banking Law	Advanced Banking
The State in Relation to Labor	Corporation Finance
The Law of Employment	Investments
Scientific Management and Labor	Money, Prices, and the Cost of Living
Trade Unionism	Public Finance
Industrial Hygiene	Insurance
Railway Transportation	Business Correspondence
Differential Rates and Regulations	Advertising Technique (2Mjs.)
Public Regulation of Prices and Earnings	Research Courses in the various fields
Industrial Combinations—Trusts	

This "general business course" is varied to meet the needs of those preparing for specific vocations, such as banking, foreign trade, commercial secretaryship, accountancy, advertising, industrial management, by grouping the courses according to the end sought. Specialization is not encouraged in the earlier years of the work. The functional studies underlying all forms of business activity must first receive attention.

II. The Business-Teaching Division.—The School accepts responsibility, not only for training future business managers, but also for training teachers of business subjects in secondary schools, colleges, and universities. While this section of the work is carried on throughout the year, the Summer Quarter's work is arranged with particular reference to the needs of teachers. The Summer Quarter *Circular* will be sent upon request.

A. FOR TEACHERS OF BUSINESS SUBJECTS IN COLLEGES AND UNIVERSITIES

In organizing this material the School is concerned with both content and method. With respect to content, the School has a co-operative arrangement with the Departments of Political Economy and Geography and with the Law School and offers work leading to the Ph.D. degree. Students preparing for this field will, of course, cover the essential training offered in the Business Division. With respect to method, the School co-operates with the Department of Political Economy in maintaining a "training course" wherein practice teaching of collegiate subjects occurs under definite supervision and criticism. This course

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is open only to graduate students in their last year of residence. Paralleling training course is a series of lectures upon educational history, policies, and administration with particular reference to the field of business teaching.

B. FOR TEACHERS OF COMMERCIAL SUBJECTS IN SECONDARY SCHOOLS

This Division has been organized to meet the steadily growing demand for well-equipped teachers in secondary schools. It is given in co-operation with the School of Education. A knowledge of shorthand and typewriting, while not absolutely required, is very strongly advised. The field work required in this Division will be two majors of practice teaching done under the direction of the Dean of the College of Education. Properly arranged, the curriculum leading to the Bachelor's degree makes possible reasonable preparation for this service, but it is highly desirable to take further work leading to the Master's degree. Students expecting to enter this Division are advised to take, in their secondary-school training, English, Modern Language, Mathematics, History, Physics, Chemistry, Mechanical Drawing, Shorthand, and Typewriting. In their collegiate course selections will be made from the studies listed in the Business Division, supplemented by courses given by the School of Education and by this School in educational policy and method.

III. The Secretarial Division.—The third division of the work is planned to meet the needs of students, especially young women, who wish to prepare themselves for secretarial positions or for such other capacities as office managers, registrars, bureau managers, business librarians, and assistants to public officials.

Since it is becoming increasingly clear that thorough training is necessary for the highest success in such positions, provision has been made for (*a*) a well-rounded general education including training in English composition and at least two modern languages, and (*b*) a central core of subjects to provide the basic training necessary for any type of secretarial work. This includes (1) the foundation courses concerned with the physical and social environment of business and with the basic functions of business and (2) secretarial-method courses, such as the facilitating, computing, and communicating aids of administration. These will be supplemented by courses looking toward the particular type of secretarial work in which the student is interested, whether in business, education, philanthropic service, or other fields.

Training in shorthand and typewriting is recognized as a necessary part of secretarial equipment, and students must demonstrate reasonable proficiency in such technique. Courses in shorthand and typewriting are not offered, however, in the University of Chicago, and no college credit is given for them. When not presented as admission credits (see below) they must be studied during summer vacations as a basis for meeting the field-work requirements of the School.

A. SUGGESTIONS FOR A GRADUATE COURSE

Students are admitted to graduate work and pursue courses leading to the Master's degree on the same basis as students in the Business Division. It is assumed that such students will have secured in their undergraduate work thorough training in English composition and in modern languages and some appreciation of the physical and social environment of business. Then the year's graduate work will cover the secretarial-method courses and courses along the

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line of the student's particular vocational interests. Specifically, this means that a student preparing for a business secretaryship will take such courses as Business Correspondence, Secretarial Work, Accounting (especially Institutional Accounting and Budgetary Practice), Business Law, and the general-survey courses in Commercial Organization and Industrial Administration. A student preparing for a secretaryship in philanthropic service would substitute for the last-mentioned courses the technical and quasi-technical courses in preparation for philanthropic service which are described in the Bulletin on *Training for Philanthropic Service.*

B. SUGGESTIONS FOR AN UNDERGRADUATE-GRADUATE COURSE

Students expecting to enter this Division are advised to take, in their secondary-school training, English, French or German, Mathematics, History, Physiology, Physics, Chemistry, Mechanical Drawing, Shorthand, and Typewriting.

Those contemplating business secretarial positions will follow, in the main, the course outlined in the Business Division, with further requirements in Business Correspondence, Secretarial Work, etc.

Those contemplating secretarial positions in other fields will be provided with a program of studies selected from courses offered in other departments of the University, correlated according to the needs of the individual case.

IV. The Philanthropic Service Division.—The courses in this division are arranged with reference to the needs of those who wish to train themselves for work in the charitable and philanthropic agencies of modern society.

The first year's work aims to supplement the student's high-school training and to give him a well-rounded cultural foundation in the main divisions of human knowledge. The second year's work completes this basic preparation, and undertakes a broad survey of the social sciences. It is significant that in these social-science survey courses the future social worker sits side by side with the future business man, the future teacher and investigator in the social-science departments, and the future civil servant, and all are led to appreciate the relationships of their future specialized tasks to the operations of the rest of organized society. Even after he has completed the social-science survey, the student is prevented from narrow specialization. Throughout his third year he takes basic semi-cultural, semi-professional courses, designed to give him a clearer appreciation of the organization of modern society than was possible in the social-science survey. It is only in the fourth year and in graduate work that the student does distinctly professional work and cultivates intensively his own particular field. The student who has traversed these stages should go out with some idea of social needs, with some zeal for serving these needs, with some appreciation of the rights, the privileges, and the obligations of other members of society, and with training which should enable him to do his work efficiently.

Students expecting to enter the Philanthropic Service Division are advised to take, in their secondary-school training, English, German, History, Mathematics, Physics, Chemistry and Physiography, Mechanical Drawing, Shorthand and Typewriting. In planning their university curricula, selection will be made, according to individual needs, from the studies listed in the accompanying outline.

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FIRST-YEAR STUDIES (INTRODUCTORY WORK)

Language, Mathematics, Science, and History as needed to meet the "distribution requirement"
English Composition
Civil Government in the United States
Evolution and Heredity, or Evolution, Genetics, and Eugenics
Physiology
English Literature
Public Speaking
Industrial Society
Value and Distribution in Industrial Society

SECOND-YEAR STUDIES (INTERMEDIATE WORK)

Language, Mathematics, Science, and History as needed to meet the "distribution requirement"
English Composition
Introductory Psychology
Introduction to the Study of Society
English Literature
American Literature
Elementary Ethics
Elementary Educational Psychology
Social Origins

THIRD-YEAR STUDIES (ADVANCED WORK)

The Family
Modern Cities
Social Pathology
Labor Conditions and Problems
Abnormal Psychology
Courses in American History
Comparative Government
Municipal Government
Elements of Law
Introduction to Statistics
Accounting Principles

FOURTH-YEAR AND GRADUATE STUDIES (ADVANCED WORK)

History of Philanthropy
Contemporary Charities
Organization and Administration of Charities
Institutional Accounting and Budgetary Practice
The State in Relation to Dependant Classes
Social Treatment of Crime
Juvenile Delinquency and Moral Education
Care of Needy Families
Family Expenditures
Legal and Economic Position of Women
The Child and the State
Domestic-Science Courses
The Survey
Methods of Social Investigation
Social Statistics
Statistical Theory and Method
Methods of Statistical Presentation
Outlines of Experimental Psychology
Intelligence Tests
Methods of Psychological Testing
Psychopathic, Retarded, and Mentally Deficient Children
Genetics and Experimental Evolution
Population, the Standard of Living, and Eugenics
Public Hygiene
Public-Health Problems
Hygiene of Childhood
House Sanitation
Industrial Hygiene
Courses in Hygiene and Physical Education
Sanitary Aspects of Milk Supply
Water and Water Supply
Public-Health Laboratory Methods
Vocational Guidance
Principles of Religious Education
Religion and Play
Church Work with Boys
The Church and the Young People
The Church and Immigrant Peoples
The Church and Society
Community Factors in Moral Education
Social Psychology
The Crowd and the Public
Social Attitudes
Theory of Disorganization
Races and Nationalities
Immigration
The Negro in America
The Negro in Africa
The Newspaper
Municipal Problems
State Government
Principles of Legislation
Principles of Social and Economic Legislation
Constitutional Aspects of Social and Industrial Problems
Social and Political Philosophy
The Evolution of Morality
The Group of Industrials
Trade Unionism
The Conflict of Classes
The Business Manager's Administration of Labor
The State in Relation to Labor
Social Programs
Elements of General Sociology
History of Sociology
Movements of Thought in the Nineteenth Century
Research Courses in Various Fields

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FACILITIES FOR STUDY AND RESEARCH

The library facilities available for students in this School give unusual opportunities for study and research.

a) The Commerce and Administration Reading-Room has been equipped specifically for the service of the School. It contains a large and rapidly growing collection of reference books, trade journals, house organs, pamphlets, clippings, specimens of business correspondence and advertising literature, and other fugitive materials pertaining to the field of business.

b) The departmental libraries of the Departments of Political Economy, Political Science, History, and Sociology, united under one organization, contain over 200,000 volumes especially selected for advanced study and research, and receive over 300 periodicals. The Law Library, connected with this building, contains about 40,500 volumes, and includes copies of the session laws of the states. Departmental libraries of related departments are also available.

c) The Chicago Public Library; the John Crerar Library, which has devoted especial attention to political economy, political science, and sociology; the Newberry Library, which has a large historical collection; the Library of the Chicago Historical Society; the Library of the Chicago Law Institute; and the Municipal Library in the City Hall are available to students in the prosecution of detailed investigation.

Facilities for business study and research are increased by the fact that the School is located in one of the great centers of American business life. In such an environment students of industrial, commercial, and administrative problems enjoy ample opportunities for observation, intensive investigation, and practical experience. The population engaged in manufacturing, building, packing, and distributing industries exhibits every phase of modern industrial questions in the most representative form. As the greatest railroad center in the world, the city offers unequaled facilities for the study of problems connected with transportation. Similar opportunities exist in connection with shipping, banking, and commerce.

One specific use which is made of this great laboratory is to conduct field trips to some of the significant business institutions of the city. Among the places visited in this way by classes are the following: The Chicago Board of Trade, Union Stock Yards, Armour Grain Elevator, Chicago Butter and Egg Board, South Water Street Market, Central Fruit Auction Co., Illinois State Grain Inspection Department, Sibley Warehouse and Storage Co., Sears, Roebuck & Co., Montgomery Ward & Co., Deering Works of the International Harvester Co., Hawthorne Plant of the Western Electric Co., Joseph T. Ryerson & Son, the Link Belt Co., Pullman Car Works (Brass Department), the Library Bureau, American Steel and Wire Co. (Filing Department), H. M. Byllesby & Co. (Business Library), Barnes, Crosby & Co. (Engraving Department).

Special provision is made for contact with typical social situations and institutions. Throughout the course of instruction lectures are given by special lecturers who are investigators of social problems, or experts in particular phases of philanthropic service in the United States. In connection with many of the courses, field trips are taken to representative agencies, and survey assignments and inspection visits are required. Among the places visited by classes in this way are the following: University of Chicago Settlement, Stock Yards, Hull-House,

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the Ghetto, Juvenile Protective Association, the United Charities, The House of Social Service, Municipal Tuberculosis Sanitarium, the Municipal Lodging House, City Health Department, Municipal Pier, West Side Park No. 2, Harrison Street Station, Cook County Jail, Gage Farm, Juvenile Detention Home, House of Correction, State Penitentiary at Joliet, the Juvenile Court, Court of Domestic Relations, Cook County Hospital, and State Hospital for the Insane at Dunning.

As a laboratory for social study Chicago presents unexcelled possibilities. No city in the world contains a wider variety of typical social conditions, and no city in the United States more accurately epitomizes the general problems of American life. The activities of its progressive and efficient social agencies—social settlements, organized charity, Juvenile Court, County Bureau of Social Service, public parks and playgrounds—may be utilized by the student in his professional training. For advanced and graduate students special opportunities for research are arranged.

ADMISSION

Admission to any division of the School of Commerce and Administration may be secured only after a conference with the Dean. Students expecting to enter this School are requested to confer with the Dean either by means of an interview or by means of correspondence at least one month before the opening of the quarter's work.

The details of requirements for admission, routine of entrance, etc., are the same as for the undergraduate divisions of the University. See pp. 97–111 of this *Register*.

REQUIREMENTS FOR TITLES AND DEGREES

I. REQUIREMENTS FOR THE ASSOCIATE'S TITLE

In the School of Commerce and Administration each student's curriculum is a matter for individual adjustment, and the courses assigned to any student in his first two years of college work will depend upon his previous training, present aptitudes, and future occupation. In every case, however, the minimum requirements stated on p. 116 of this *Register* will be observed.

II. REQUIREMENTS FOR THE BACHELOR'S DEGREE

Candidates for the Bachelor's degree (Ph.B.) must present a minimum of three quarters and nine majors of residence work in the College. The requirements for the degree are as follows:

a) Entrance requirements as indicated on pp. 97–111.

b) The requirements for the Associate's title as indicated above.

c) Field work (to be arranged for individually). The required field work can be covered during a summer vacation. This requirement is designed (1) to give the student contact with actual conditions before entering upon the specialized courses, and (2) to enable the student to decide on the basis of some actual knowledge what specialized work he wishes to pursue.

d) A total of at least 36 majors and 72 grade-points.[1] The entire 36 majors must be approved by the Dean.

[1] "72 grade-points" is equivalent to "an average of C."

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e) Credit for ten quarters of work in Physical Culture.

NOTE.—Students preparing for foreign trade, consular service, secretarial positions, social research, and certain forms of philanthropic service are expected to meet the efficiency test in two modern languages. Students preparing for secretarial service are also required to meet an efficiency test in shorthand and typewriting not later than their third year in college. No college credit is given for work in shorthand and typewriting.

III. REQUIREMENTS FOR THE DEGREES OF A.M. AND PH.D.

Candidates for the higher degrees must meet the requirements of the Graduate School of Arts and Literature. The Dean of the Graduate School of Arts and Literature and the Dean of the School of Commerce and Administration cooperate in the administration of the graduate curricula of this School. These graduate curricula are adjusted to the needs of the individual student.

For the detailed requirements for the A.M. degree and Ph.D. degree see the statement of the Graduate School, pp. 92–96 of this *Register*. Students taking these degrees in the School of Commerce and Administration must secure the approval of the Dean of the College upon the plan of residence work and the title of the thesis.

FEES FOR MATRICULATION, TUITION, ETC.—ROOMS, BOARD, AND GENERAL EXPENSES

Attention is called to the statements concerning fees for matriculation, tuition, etc.; rooms, board, and general expenses, on pp. 84–85 of this *Register*.

SCHOLARSHIPS AND OTHER AID

Under the terms of the gift in memory of Eli B. Williams and Harriet B. Williams, a considerable fund becomes available as aid to students in the School of Commerce and Administration. In addition to this fund various other forms of aid are open to all University students.

A large number of students in various ways earn a portion of their expenses while in the University. The needs of a large city afford opportunities of employment to many students, and a smaller number obtain remunerated service with the University. The latter resource is open only to those who have spent at least one quarter in residence at the University. A student-employment bureau makes systematic efforts to obtain positions for students desiring work.

Details concerning these various forms of aid are given on pp. 86–88 of this *Register* and in the circular on *Assistance to Students*.

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PART V

THE UNIVERSITY LIBRARIES, LABORATORIES, AND MUSEUMS

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THE UNIVERSITY LIBRARIES, LABORATORIES, AND MUSEUMS[1]

THE LIBRARIES

OFFICERS OF ADMINISTRATION[2]

HARRY PRATT JUDSON, President of the University.
ERNEST DEWITT BURTON, Director.
JAMES CHRISTIAN MEINICH HANSON, Associate Director.
KARL THEODOR JACOBSEN, A.M., Head Classifier.
EARL NORTHUP MANCHESTER, A.B., Head of Readers' Department.
CORA BELLE PERRINE, A.B., Head of Acquisition Department.
JOSEPHINE CHESTER ROBERTSON, A.B., Head Cataloguer.
CLARENCE ALMON TORREY, PH.B., Head of Acquisition Department.

DEPARTMENTAL LIBRARIANS AND OTHER OFFICERS OF CIRCULATION[3]

RUTH ABBOTT, B.L.S., School of Education Library.
STORRS BARROWS BARRETT, A.B., Yerkes Observatory Library.
MARGUERITE WELWOOD CARVER, A.B., Modern Language Library.
EMMA LOUISE DICKINSON, Biological Library.
CORA MARGARET GETTYS, A.M., Reference Desk, General Library.
EDWARD ATWOOD HENRY, A.B., B.D., General Library.
CLARA LOUISE LITTLE, A.B., Classical Library.
SARAH ELLEN MILLS, Periodical Room.
CLARA STRONG ROE, PH.B., Information Desk, General Library.
———, Divinity School Library.
FREDERICK WILLIAM SCHENK, Law School Library.
DOROTHEA CHARLOTTE SCHMIDT, School of Commerce and Administration.
HELEN ELIZABETH TAGGART, S.B., Geology and Geography Library.
HALVOR ORLANDO TEISBERG, A.B., Superintendent of Stacks.

OTHER MEMBERS OF THE STAFF[3]

LEONORA ABT; LILLA M. ALEXANDER; ABBIE LLERENA ALLEN, S.B.; ALFRED BOAS; HARRIE EDNA BROOKE, PH.B.; GERTRUDE CHALMERS, PH.B.; MARGUERITE SEELEY CHANEY; GERTRUDE M. CLARK; HELEN RAWIE DESELM;

[1] For the Board of Laboratories and Museums and the Board of Libraries see pp. 74–75.

[2] Names arranged alphabetically, with exception of the first three.

[3] Names arranged alphabetically.

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JULIA LOUISE DICKINSON; FRANCES LETITIA DUDGEON; HANS DAVID GAEBLER, M.A.; BEULAH EMMA GIFFIN, A.B.; MARGARET ANNE HARDINGE; DORTHEA HELENE HYGEN, CAND. PHILOS. (Christiania); MYRTLE ETTA JUDSON, PH.B.; ESTHER W. KINGSBURY; TORGER KLEIBERG, CAND. PHILOS. (Christiania); ANNA CONSTANCE LAGERGREN, PH.B.; ELIZA LAMB, A.B.; EDITH CLARE LAWRENCE, A.B.; HANNAH LOGASA; BESS MYERS MAYFIELD; RUTH EDNA MORGAN; SELMA NACHMAN; LOUISA NAGELY; ADOLF CARL VON NOÉ, PH.D.; ADELAIDE ELIZABETH OHLENDORF, S.B.; SARAH LUELLA PATTERSON, A.M.; ALICE ELIZABETH POTTER; MARGARET RIDLON, S.B.; CAROLINE RIGHTER; ELLA SATTERTHWAIT, PH.M.; ILONA BONN SCHMIDT, PH.B.; HELEN BOWMAN THOMPSON, PH.B.; HELEN ANNA TITSWORTH, PH.B., S.B.; WINIFRED VER NOEY, PH.B.

LIBRARY ADVISERS

PROFESSOR JAMES ROWLAND ANGELL, Psychology.
PROFESSOR ROBERT RUSSELL BENSLEY, Biology Group.
PROFESSOR EDWIN BRANT FROST, Yerkes Observatory.
PROFESSOR CHARLES HUBBARD JUDD, School of Education.
PROFESSOR JOHN MATTHEWS MANLY, Modern Language Group.
PROFESSOR ELMER TRUESDELL MERRILL, Classical Group.
PROFESSOR ELIAKIM HASTINGS MOORE, Mathematics and Astronomy.
PROFESSOR WILLIAM UNDERHILL MOORE, Law School.
PROFESSOR ROLLIN D. SALISBURY, Geology and Geography.
PROFESSOR AMOS ALONZO STAGG, Physical Culture.
PROFESSOR WILLIAM ISAAC THOMAS, Historical Group.
ASSOCIATE PROFESSOR SOLOMON HENRY CLARK, Public Speaking.
ASSOCIATE PROFESSOR ———, Physics.
ASSISTANT PROFESSOR MARTIN SPRENGLING, Divinity School Group.
MISS ETHEL MARY TERRY, Chemistry.
MR. ROBERT WATERMAN STEVENS, Music.

GENERAL STATEMENT

From 1902 to 1912 the General Library was located in the University Press Building on the northwest corner of Fifty-eighth Street and Ellis Avenue. In the summer of 1912 it was removed to its permanent location in the Harper Memorial Library Building on Fifty-ninth Street midway between Ellis and University avenues. The reading-room in this building contains seats for 364 readers. It is located on the third floor, the principal entrance being in the West Tower. The administrative offices of the Library are on the second floor. In October, 1912, the Departmental Library of the Historical Group was transferred to this building, as also those of the Modern Language Group and the Department of Philosophy.

The other departmental libraries are located as follows: Astronomy (see also Mathematics), at Yerkes Observatory, Williams Bay, Wis.; Biological Group, in the Zoölogy Building, first floor; Chemistry, in Kent Chemical Laboratory, second floor; Classical Group, in the Classics Building, third floor; Divinity

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School and Semitics, in Haskell Oriental Museum, third floor; Geology and Geography, and Paleontology, in Julius Rosenwald Hall, second floor; Law School, in the Law Building, third floor; Mathematics and Astronomy, in Ryerson Physical Laboratory, fourth floor; Physics, in Ryerson Laboratory, second floor; Psychology, in the Psychology Building, second floor; School of Education, in Emmons Blaine Hall, second floor. The Hitchcock Memorial Library is located in Hitchcock Hall, first floor.

The Reading-Room of the General Library and that of the Library of the School of Education are open to all members of the University, former members of the Faculties, and former students of the University. So far as the limits of space permit they are also open to members of other educational institutions in the vicinity, residents of Chicago engaged in serious study, scholars visiting Chicago, and employees of the University.

The Departmental Libraries are open, as reference libraries, to members of the Faculties of the University, to Trustees and administrative officers, to alumni of the University, and to students pursuing advanced studies in any department. Other members of the University make use of them if permitted by the regulations of a particular library, or in special cases are granted the privilege by the Director, or, in respect to a given library, by the Adviser of that library.

Students who have matriculated and paid the library fee may draw from the circulating libraries of the University three, but no more than three, volumes at one time.

Books drawn from the General Library or from the Library of the School of Education may be retained for two weeks with privilege of renewal. This rule does not apply to books reserved for overnight circulation.

On recommendation of a member of the University, and payment to the Cashier's office of a library fee of $2.50 a quarter (or on recommendation of a dean or head of a department of instruction of the University indorsed by the Director of the Libraries, without fee), residents of Chicago, non-resident or visiting scholars, alumni, and non-resident and former students of the University acquire the privilege of drawing books from the General Library and the Library of the School of Education, subject to the rules applicable to students of the University. Such persons are granted the privilege of using the Departmental Libraries by authority of the Director, or, in respect to a given library, by the Adviser of that library.

To scholars visiting Chicago complimentary cards, good for four weeks, are issued at the discretion of the Director.

The School of Education Library issues to teachers in the public schools of Chicago complimentary cards, giving the privilege of drawing books under the general rules of circulation.

Fuller information respecting the libraries is published in the *Handbook of the Libraries of the University* and the *Rules and Regulations of the University Libraries*.

The Libraries of the University acquired at the opening of the University in 1892 the following collections: Baptist Union Theological Seminary Library, 40,000 volumes; the old University, 10,000 volumes; the Berlin purchase, 175,000 volumes. From these collections, and by subsequent purchase, gift, and exchange, the accessions to the various libraries of the University have been, up

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to July 1, 1917, as follows: Astronomy, 5,381; Biology, 26,525; Chemistry, 3,938; Classical Group, 41,474; Divinity School Group, 34,554; General Library, 162,719; Geography and Geology, 11,908; Historical Group, 77,888; Hitchcock Memorial Library, 1,800; Law School, 42,208; Mathematics, 7,145; Modern Language Group, 52,864; Philosophy, 6,723; Physics, 4,136; Psychology, 1,833; Public Speaking, 504; Russian, 648; School of Education, 35,688; Total, 517,936. The foregoing figures include books accessioned and on the shelves; also, in the case of Geology, the Divinity School Group, the Law School, and the School of Education, books which, though not fully accessioned and catalogued, have been distributed to the libraries named and are available for use. They do not include the other unaccessioned possessions of the libraries, and, in particular, the unaccessioned remainder of the Berlin Collection, of the Durrett Collection, or of the volumes acquired from the Library of Congress. The total of these unaccessioned volumes is estimated at approximately 100,000; the pamphlets, at 221,000. The Libraries receive about 2,747 periodical publications, including, in part, the transactions and proceedings of learned societies.

THE WILLIAM RAINEY HARPER MEMORIAL LIBRARY

On January 10, 1910, ground was broken for the Harper Memorial Library Building, and the cornerstone was laid June 14, 1910. This building, erected in memory of William Rainey Harper, first President of the University, is the gift to the University of Mr. John D. Rockefeller and more than two thousand other persons, friends and former pupils of Dr. Harper. It was dedicated June 11, 1912. It occupies the center of the south front of the main quadrangle. It is 248 feet long from east to west, and 60 feet wide from north to south. It consists of two towers, each 60 feet by 50 feet, and 128 feet high, joined by the central section of the building, approximately 150 feet long and 100 feet high. It is permanently occupied by the administrative offices of the libraries and the General Library. Temporarily it also contains the departmental libraries of the Historical Group, the Modern Language Group, and the Department of Philosophy, the offices and classrooms of the Historical Group, and the offices of the President of the University. When all the space is devoted to its ultimate uses the building will provide shelfroom for a little over one million volumes, and will give accommodation to some 600 readers. The building is connected by bridges on the level of the central Reading-Room with the Haskell Oriental Museum and the Law Building, the upper floors of both these buildings being also devoted to library purposes. A building for the departments of the Classical Group, on the corner of Ellis Avenue and Fifty-ninth Street, was completed in 1915. The Library of these departments, occupying the third floor and a part of the second floor, was installed in March, 1915. It is hoped soon to erect a building for the Modern Language Group immediately adjoining the Harper Memorial Library on the west and connecting it with the Classics Building. Eventually there will also be on the east a building for the Historical and Philosophical groups, corresponding to those on the west for the Modern Language and Classical groups. All these buildings constitute one group with intercommunication, the upper floors being devoted to library purposes and the basements being occupied by stacks.

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THE LABORATORIES

KENT CHEMICAL LABORATORY

JULIUS STIEGLITZ, Director

The Chemical Laboratory, provided by the generosity of Mr. Sidney A. Kent, was opened January 1, 1894.

The arrangement of the rooms is as follows:

The basement contains a furnace-room, with a set of gas furnaces, with air-blast of the most modern construction, for crucible work, muffle-work, tube-heating, and other purposes; a laboratory for inorganic preparations; a room fitted with steam and other appliances for work on a large scale; a laboratory for radioactivity measurements; a mechanical workshop, and storage-rooms.

On the first floor are two large lecture-rooms, and a large lecture-hall seating three hundred persons, fitted for use as a chemical lecture-room, if desired. This floor also contains two rooms for physico-chemical work, one small preparation room, a room with northern exposure especially fitted for use as a private research laboratory, and also apparatus and preparation rooms connected with the lecture-rooms.

On the second floor are two large laboratories intended for research and quantitative analysis; four private laboratories for the professors; balance-, combustion-, and air-furnace rooms; a balcony for out-of-door work; and the chemical library, which contains full sets of the most important journals, as well as the most important textbooks and other works relating to chemistry.

On the third floor are three large laboratories for general chemistry, elementary organic chemistry, and qualitative analysis, a small lecture-room, a preparation room, a room especially fitted for optical work, a balance-room, and three private laboratories. The most modern system of ventilation has been adopted, air of constant temperature being forced in by fans from below and withdrawn by a fan above. The building is lighted throughout by electric lights, and the laboratories are provided with electricity adapted to every kind of electro-chemical work.

The fullest opportunity will be given for doing research work. All possible aid will be afforded those who desire to avail themselves of the facilities of the laboratory.

RYERSON PHYSICAL LABORATORY

ALBERT ABRAHAM MICHELSON, Director

The Ryerson Physical Laboratory was built in 1893–94 and enlarged and remodeled in 1910–11. In the design and construction of the building no element of utility has been omitted, and every effort has been made to include all the desirable features of a first-class physical laboratory.

All the walls and floors are strong and heavy; the laboratories on the first floor are provided with piers of masonry, in addition to the heavy slate wall-shelves which are found throughout the building. Every laboratory is provided with gas for light or fuel, electricity for light and power, water, compressed-air and vacuum pipes.

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The basement and first floor are devoted to laboratories for research work, to constant-temperature rooms, ruling-engine rooms, power-rooms, and the mechanician's room, which is fitted up with all the tools and appliances necessary in the construction and repair of physical apparatus. Four of these rooms are artificially dried and refrigerated.

On the second floor are found two large general laboratories for advanced undergraduate work, optical laboratories, a chemical laboratory, three departmental office-rooms, three small lecture-rooms, and the large lecture-hall with its adjoining apparatus and preparation rooms.

The third floor is devoted to four large laboratories for the undergraduate work in general physics, which with the adjoining apparatus and preparation rooms occupy the east, west, and north portions of the building. The remaining portion of the floor is devoted to lecture-rooms used at present by the Department of Mathematics.

On the fourth floor are the mathematical library and study-rooms. The roof above this floor is flat and suitable for observations in the open air.

Recent investigations have shown that the location of the Ryerson Laboratory is an exceedingly good one and that the outside disturbances, which are usually so annoying, are at a minimum.

THE HULL BIOLOGICAL LABORATORIES

DIRECTORS

John Merle Coulter, Director of the Botanical Laboratory.
Frank Rattray Lillie, Director of the Zoölogical Laboratory.
Robert Russell Bensley, Director of the Anatomical Laboratory.
Anton Julius Carlson, Director of the Physiological Laboratory.
Albert Prescott Mathews, Director of the Physiological Chemical Laboratory.

On December 14, 1895, Miss Helen Culver, of the city of Chicago, presented the University of Chicago with property valued at one million dollars. The purpose of the gift is indicated by the donor as follows: "The whole gift shall be devoted to the increase and spread of knowledge within the field of the biological sciences."

From this fund there have been erected, at the north end of the University grounds, four buildings, to serve as laboratories for the Anatomical, Botanical, Physiological, and Zoölogical Sciences. Medical instruction is also given in the Anatomical, Physiological, and Zoölogical laboratories.

THE ZOÖLOGICAL LABORATORY

The Zoölogical Laboratory is 120 by 50 feet, and four stories high, exclusive of the basement. It was extensively remodeled in 1915. On the first floor are located the biological library, lecture-room, and biological laboratories. The second floor contains one large laboratory for beginners in Zoölogy and a number of smaller laboratories for more advanced work and research. The third floor contains two large laboratories for Embryology and Genetics and a number of rooms for research. The fourth floor is devoted to Comparative Anatomy, artists' rooms, and ecological research. The basement contains a large room with glass-covered extension on the south side designed for an aquarium. The best optical apparatus and other appliances demanded by zoölogical work are

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provided. There are series of models, charts, and preparations, and facilities for keeping land and aquatic animals under favorable conditions for study. A greenhouse for experimental work in breeding of insects and other invertebrates has recently been erected.

THE ANATOMICAL LABORATORY

The Anatomical Laboratory is 120 by 50 feet, and four stories high, exclusive of basement and attic. It was constructed to provide for instruction and research in Anatomy, including Neurology, Gross Anatomy, and Microscopic Anatomy. The first floor is occupied by two large laboratories for microscopic work in Histology and Neurology, a laboratory for research and instruction in Immunology, a photographic room, and two small research laboratories for members of the staff. The second floor contains the research laboratories in Neurology, three laboratories for microscopic work, a chartroom, and a lecture-room. The third floor contains a large laboratory for human dissection, two laboratories for advanced work in Microscopic Anatomy, and four rooms for members of the staff. The fourth floor contains a second large dissection laboratory, two small laboratories for the same purpose, a museum of anatomical preparations and models, and several small rooms for the staff. The laboratories are well equipped for teaching and research in all branches of Anatomy, and in Immunology.

THE PHYSIOLOGICAL AND THE PHYSIOLOGICAL CHEMICAL LABORATORIES

The building containing the Physiological Laboratory and the Physiological Chemical Laboratory is 102 by 52 feet and four stories high exclusive of the basement and attic. It has recently been equipped with an electrically driven elevator. The basement contains a darkroom, two laboratories for advanced courses in Physiology, a combustion and centrifugal room for physiological chemistry, two storerooms, and the mechanic's shop. It is connected with the greenhouse, which has been converted into an aquarium and animal room. The first floor contains general laboratories for college and medical courses in Physiology, a lecture-room, a storeroom, and a small research laboratory. The second floor contains a large lecture-room, an X-ray room, and four research laboratories, three for Physiology and one for Physiological Chemistry. The third floor contains two large laboratories and one small laboratory for research in Physiology, one large laboratory and two small ones for research in Physiological Chemistry and Pharmacology, and a balance-room. The fourth floor contains two rooms with animal cages and two operating rooms, a storeroom, a large laboratory for work in Physiological Chemistry, and a laboratory for work in Physiology and Pharmacology. The attic contains animal rooms. Additional animal quarters are provided in a building on Fifty-seventh Street and Ingleside Avenue. The laboratories are well equipped both for general instruction in Physiology, Physiological Chemistry, and Pharmacology, and for advanced and research work in these sciences.

THE BOTANICAL LABORATORY

The Botanical Laboratory is a building 102 by 52 feet, four stories high, with basement, and roof greenhouse. The first floor contains the general lecture-hall, a large general laboratory for elementary work, a smaller laboratory used for

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elementary work and also for Plant Pathology, offices, and a storeroom. The second floor contains two laboratories for work in Plant Morphology, seven private research-rooms, two offices, and a clubroom. The third floor is arranged for work in Morphology and Ecology, containing three laboratories, two offices, and seven private research-rooms. The fourth floor is used for Plant Physiology, with two general laboratories, photographic and physiological darkrooms, workshop, two research-rooms, and a storeroom. The roof greenhouse is intended for experimental work in connection with the physiological laboratories. It also serves to furnish material for the morphological laboratories. A limited amount of ground for experimental work has been secured, and two greenhouses (3,200 square feet) have been erected.

Provision has been made on the corner of the Midway and Cottage Grove Avenue for a whole block of ground on which greenhouses and a garden laboratory are being erected and which will be used for experimental work in plant breeding.

THE RICKETTS LABORATORY

The Ricketts Laboratory was built with funds provided from the general income of the University, and was opened January 1, 1915, to furnish temporary quarters for the Department of Pathology and the Department of Hygiene and Bacteriology. It is a one-story brick building, measuring 180 by 180 feet, located on the west side of Ellis Avenue between 57th and 58th streets. The south half is occupied by the Department of Pathology, the north half by the Department of Hygiene and Bacteriology. A central wing provides a lecture-room, and two lateral wings contain animal houses, one for each department. A fireproof building in the court provides for the museum of Pathology. In addition to general laboratories, research-rooms, preparation rooms, and offices, each department has a well-equipped chemical laboratory, and there is one room equipped for experimental surgical work.

PSYCHOLOGICAL AND PSYCHOPATHIC LABORATORIES

For descriptions of these laboratories see respectively pp. 124, 128, and 365.

THE MUSEUMS

THE WALKER MUSEUM

Samuel Wendell Williston, Director and Curator of Vertebrate Paleontology.
Frederick Starr, Curator of Anthropology.
Stuart Weller, Curator of Invertebrate Paleontology.
William F. E. Gurley, Associate Curator, Invertebrate Paleontology.
Paul C. Miller, Assistant Curator, Vertebrate Paleontology.
Arthur W. Slocum, Assistant Curator, Invertebrate Paleontology.

In 1892 Mr. George C. Walker provided by gift for a museum building, and subsequent provision was made by the University for large collections, particularly in paleontological lines. Previous to the close of the year 1914 the building was largely occupied for classroom and laboratory work, but this use of the building, except so far as directly connected with museum material, has

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recently been discontinued, and the structure is being refitted for museum purposes solely, and reinstallation is in progress.

The basement is given to storage and the first stages of preparation of the material. The first floor is to be occupied by an exhibit collection of the ancient life of the earth arranged in historical order. The central section of the second floor is to be used for an exhibit collection of invertebrate fossils arranged in biological order. The east section of the second floor is to constitute a research museum, the collections of which are to be arranged in banks of drawers for convenient access, while laboratory tables will occupy the border of the room. The west section of this floor is to be used for administrative offices and for workrooms and museum lecture-rooms. The middle and east sections of the third floor are to be occupied by the anthropological museum and lecture-room. The west section of this floor is arranged for museum laboratories.

The anthropological collection contains a small quantity of ethnographic and archaeologic material. In addition to this the following collections are on deposit and furnish material for study: The Ryerson Collection in Mexican Archaeology, numbering more than 3,000 pieces. The Ryerson Collection from the Cliff-Dwellings and Cave-Houses of Utah; this is accompanied by a series of photographs which add much to its educational value. These two collections are deposited by Mr. Martin A. Ryerson. The Clement Collection from Japan, containing art work in lacquer and porcelain, and an interesting series of articles used in the curious Dolls' Festival. It is deposited by Professor E. W. Clement, of Tokyo, Japan. The material collected by Frederick Starr in Japan is on display temporarily.

The collections of invertebrate fossils are among the largest in the country and contain a great store of material for research and reference. These collections are not yet wholly available for study, but their organization and installation are being carried on as rapidly as practicable. One of the most important of the private collections which have been brought together in Walker Museum is that of the late James Hall, for many years State Geologist and Paleontologist of New York. This collection was presented to the Museum by Mr. J. D. Rockefeller, and is rich in types and other specimens of the greatest value for study and research. Other important collections, which have become the property of the Museum, are the Gurley Collection, the James Collection, the Washburn Collection, the Krantz Collection, the Weller Collection, the Sampson Collection, the Faber Collection, the Haines Collection, the Tiffany Collection, the Bassler Collection of Bryozoa and Ostracoda, the Teller Collection, and the Van Horne Collection. The last of these is of especial interest because it consists largely of material from the local Niagaran formation of northeastern Illinois and southeastern Wisconsin.

The collections of vertebrate fossils are especially noteworthy for the extensive series of Permocarboniferous amphibians and reptiles, the most complete of any collection, including about seventy genera, twelve of which are represented by mounted skeletons. These collections include the original types from the Permian of Illinois and many of the types from Texas. The collection of American Triassic vertebrates is also unexcelled. From the Niobrara Cretaceous and the Benton Cretaceous there is a valuable series of vertebrate fossils, and less important collections are from the Tertiary.

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THE JULIUS ROSENWALD GEOLOGIC AND GEOGRAPHIC LABORATORIES AND MUSEUM

THOMAS C. CHAMBERLIN, ROLLIN D. SALISBURY } Directors

The building for the geologic and geographic laboratories and museum was built in 1914 and was first occupied at the opening of the year 1915. In the design and construction no pains were spared to secure utility and convenience as well as solidity and strength, together with complete protection against fire. The frame is formed of unusually heavy steel and the walls, stairs, floors, and partitions are wholly of metal, cement, stone, or other incombustible material. An automatic elevator provides for handling heavy material as well as for the accommodation of passengers. Ventilation and temperature are under automatic electric control by means of a forcing fan in the basement and a suction fan in the elevator tower.

In the basement are laboratories devoted to experimental work in dynamic geology, physiographic modeling, lathework, and section-cutting, experiments in ore deposition, solution, and other experiments at high temperatures and high pressures, and a room for miscellaneous experiments, with a storage-room, a vault, and a darkroom. A seismograph pier, free from the floor of the building, extends to the bedrock, fifty-two feet below the city datum, and work on seismographic instruments is in progress.

On the higher floors are laboratories or special rooms devoted to mineralogical, petrological, geochemical, economic, macroscopic, microscopic, goniometer, photographic, microphotographic, and meteorologic and other work. There are three map laboratories and three conference rooms connected with them. Resources for the storage of working material are a special feature. The meteorological tower, 92 feet in height, is equipped with an anemometer, weather vane, and the other instruments of a meteorological station, and is now occupied as a government station by the United States Weather Bureau.

The museum occupies the first floor of the main part of the building and exhibits type collections of minerals, rocks, ores, and economic products, and a synoptic series of fossils arranged in historical order, together with specimens illustrating various geologic phenomena. The selection and installation throughout are made with reference to class work. Geographic and physiographic phenomena are shown by relief maps of the continents and of selected regions and special features.

The museum in Julius Rosenwald Hall is connected by a short corridor with the Walker Museum, where the larger collections of the University in vertebrate and invertebrate paleontology and in anthropology are kept, and where the work in these branches is carried on.

THE HASKELL ORIENTAL MUSEUM

JAMES HENRY BREASTED, Director
EDGAR JOHNSON GOODSPEED, Assistant Director
THOMAS GEORGE ALLEN, Secretary

The Haskell Oriental Museum is a fireproof stone structure of three stories and basement, erected through the generosity of Mrs. Caroline E. Haskell as a memorial to her husband, Mr. Frederick Haskell.

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The collections number over ten thousand objects, and their purpose is to exhibit as systematically as possible the early civilizations of the Near Orient, that is, the lands in the eastern Mediterranean region, from which the earliest elements of civilisation reached the Aegean, the Greek world, and later Europe. The Far Orient is also represented to some extent. The collections are chiefly the following:

THE EGYPTIAN COLLECTION

The largest in the Museum, embracing nearly ten thousand original monuments, from all the great epochs of Egyptian history. They have come chiefly from the excavations of Petrie, Quibell, and Naville, besides a collection made in the Nile Valley for the University by the Director in 1894–95. Most notable is the series of about two thousand ancient oriental weights collected by the Egypt Exploration Fund and presented to the Museum. There is also a large collection of casts and photographs.

The Museum endeavors to maintain connections with the field, and receives accessions from the excavations of each winter in Egypt. Some accessions have come from

THE ORIENTAL EXPLORATION FUND

An enterprise organized by the University of Chicago in 1903. The Fund dispatched an expedition which conducted excavations in Babylonia at Bismaya (ancient Adab) for two seasons (1903–5). In 1905 the work was transferred to Egypt, where in two seasons (1905–7) an epigraphic survey of Nubia, about 1,000 miles of Nile Valley, was undertaken.

THE BABYLONIAN AND ASSYRIAN COLLECTION

This collection is made up of a series of casts, chiefly from originals in the British Museum; but it includes also a collection of cuneiform tablets and original documents numbering about one thousand from the Babylonian excavations of the Oriental Exploration Fund. Gifts of similar material were contributed by Mr. R. Campbell Thompson, Professor R. F. Harper, and Mr. T. W. Robinson.

THE BIBLICAL AND PALESTINIAN COLLECTION

This includes the usual reproductions, casts, maps, models, and photographs, illustrating Palestine and other Bible lands. As far as possible, collected and original matter illustrative of oriental life, ancient and modern, is being installed.

THE COMPARATIVE-RELIGION COLLECTION

Comprises chiefly a large loan collection of cultus implements illustrative of Japanese Shinto and Buddhism, and of Hinduism, made, during a long residence in the East, by Dr. Edmund Buckley. This Shinto collection, which is very full, is unique. The entire collection numbers about four hundred articles. Six antique Indian paintings from Calcutta illustrating Hinduism were given by Mr. Martin A. Ryerson.

THE YERKES ASTRONOMICAL OBSERVATORY

EDWIN BRANT FROST, Director

The Yerkes Observatory was founded in 1892 through the munificence of the late Charles T. Yerkes, of Chicago. Its principal instrument is a refracting telescope of 40 inches aperture, which is provided with a micrometer, a photometer, an attachment for direct photography of celestial objects, a stellar spectrograph, a solar spectrograph, and a spectroheliograph.

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The building is about 330 feet long, with the great dome at the western end. This dome is 90 feet in diameter, allowing ample space for the tube of the great telescope, which, with its attachments, is nearly 70 feet long. The floor in the dome is 75 feet in diameter, and may be elevated through a range of 23 feet by means of electric motors.

The two smaller domes contain the 12-inch refractor and the 24-inch reflector.

The building contains offices and computing rooms, a library, lecture-room, darkrooms, chemical laboratory, instrument rooms, etc. In the basement are photographic rooms, a spectroscopic laboratory and large concave grating spectroscope, and machine-shops.

The Bruce Photographic Telescope, having two photographic doublets of 10 and 6 inches aperture, with a guiding telescope of 5 inches aperture, occupies a separate building near the Observatory. The Snow Building, 600 feet north of the Observatory, contains a powerful horizontal spectrograph of the autocollimation type, which is used for solar investigations.

The Observatory is situated one mile from the village of Williams Bay (76 miles from Chicago via C. & N.W. Railway), on Lake Geneva, Wisconsin, in an ideal rural region, free from the dust and smoke of cities, and removed from the tremors of railroad traffic.

OPPORTUNITIES FOR STUDENTS

Teachers of physics and astronomy at other institutions and advanced students specializing in Astronomy and Astrophysics may undertake work at the Observatory in various capacities—as special investigators, volunteer research assistants, University fellows or students—upon satisfying the Director that their qualifications are such as to make their stay at the Observatory mutually helpful. They receive no pay for their services, but are given opportunity to learn of or assist in researches in progress, or to conduct investigations, according to circumstances.

During the Summer Quarter illustrated lectures, by members of the staff, are given on one evening of each week, particularly intended for the visiting students. The astronomical club also meets on Thursday afternoons for the discussion of assigned topics in astronomy and astrophysics.

JOURNAL

The *Astrophysical Journal*, of which the Director of the Yerkes Observatory is the editor, is published each month, except February and August, by the University of Chicago Press.

OBSERVATORY LIBRARY

The library contains sets of most of the astronomical periodicals, charts, star catalogues, annals of observatories, and numerous general works. The total number of bound volumes is about 5,000, and there are an equal number of pamphlets in the files. A fireproof stackroom, capable of containing 12,000 volumes, has recently been equipped. The library also contains a collection of over 500 lantern slides from astronomical negatives made at the Observatory, which are exhibited in an illuminated cabinet.

An illustrated pamphlet of 24 pages, describing the Observatory in detail, may be obtained from the University.

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PART VI

THE UNIVERSITY EXTENSION

THE AMERICAN INSTITUTE OF SACRED LITERATURE

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THE UNIVERSITY EXTENSION

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HERVEY FOSTER MALLORY, Secretary of the Correspondence-Study Department.

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GEORGIA LOUISE CHAMBERLIN, Secretary of the Reading and Library Department in the American Institute of Sacred Literature.

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CHARLES HUBBARD JUDD, Education.
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———, Historical and Social Sciences.

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JAMES HENRY BREASTED, PH.D., Professor of Egyptology and Oriental History; Director of Haskell Oriental Museum.

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GEORGE WILLIAM MYERS, PH.D., Professor of the Teaching of Mathematics and Astronomy.

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GEORGE LINNAEUS MARSH, PH.D., Extension Associate Professor of English.

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HANS ERNST GRONOW, PH.D., Assistant Professor of German.
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JAMES ROOT HULBERT, PH.D., Assistant Professor of English.
THOMAS ALBERT KNOTT, PH.D., Assistant Professor of English.
DAVID JUDSON LINGLE, M.D., PH.D., Assistant Professor of Physiology.
WILLIAM DUNCAN MACMILLAN, PH.D., Assistant Professor of Astronomy.
THEODORE LEE NEFF, A.M., PH.D., Assistant Professor of French.
ADOLF CHARLES VON NOÉ, PH.D., Assistant Professor of German Literature.
HAROLD ORDWAY RUGG, PH.D., Assistant Professor of Education.
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MARTIN SPRENGLING, PH.D., Assistant Professor of Semitic Languages and Literatures.
CURTIS HOWE WALKER, PH.D., Assistant Professor of History.

MYRON LUCIUS ASHLEY, PH.D., Extension Assistant Professor of Philosophy.
MABEL BANTA BEESON, A.M., Extension Assistant Professor of Latin.
FRANK MELVILLE BRONSON, A.M., Extension Assistant Professor of Greek.
ANA ENKE CALDERWOOD, PH.B., Extension Assistant Professor of Spanish.
LAETITIA MOON CONARD, PH.D., Extension Assistant Professor of Comparative Religion.
HARRIET CRANDALL DAVENPORT, A.M., Extension Assistant Professor of English.
ARNOLD BENNETT HALL, J.D., Extension Assistant Professor of Political Science.
FRANCES ADA KNOX, A.B., Extension Assistant Professor of History.
ANNIE MARION MACLEAN, PH.D., Extension Assistant Professor of Sociology.
EDWARD JAMES MOORE, A.M., PH.D., Extension Assistant Professor of Physics.
HERMON HARRISON SEVERN, A.B., Extension Assistant Professor of New Testament Literature.
ERNEST LYNN TALBERT, PH.D., Extension Assistant Professor of Psychology.
FRANK BARNES CHERINGTON, A.B., Instructor in English in the University High School.

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Lucy Driscoll, A.M., Instructor in the History of Art.
Sophia Hennion Eckerson, Ph.D., Instructor in Plant Physiology.
George Damon Fuller, Ph.D., Instructor in Plant Ecology.
Harry Orrin Gillet, S.B., Principal of the University Elementary School.
Joseph Francis Gonnelly, Ph.B., Instructor in Education.
Carl Henry Grabo, Ph.B., Instructor in English.
Paul Gustav Heinemann, Ph.D., Instructor in Bacteriology.
Franklin Winslow Johnson, A.M., Principal of the University High School.
Eleanor Lally, A.B., Instructor in English in the University Elementary School.
Sarah Frances Pellett, A.M., Instructor in Latin in the University High School.
Paul Herman Phillipson, Ph.D., Instructor in German.
Josephine Chester Robertson, A.B., Head Cataloguer in the Libraries.
Arthur Pearson Scott, Ph.D., Instructor in History.
Eugene Austin Stephenson, Ph.D., Instructor in Geology.
Morris Miller Wells, Ph.D., Instructor in Zoölogy.
Elsie Amy Wygant, Instructor in Education.

Catherine Quarles Baskervill, A.B., Extension Instructor in English.
Jessie E. Black, Ph.B., Extension Instructor in School Library Economics.
Katharine Elizabeth Dopp, Ph.D., Extension Instructor in Education.
Earl Bixby Ferson, Extension Instructor in Drawing.
John Sharpless Fox, Ph.D., Extension Instructor in History.
Clifton Durant Howe, Ph.D., Extension Instructor in Botany.
Henry Fremont Keen, Extension Instructor in Accounting.
Henrietta Becker von Klenze, Ph.D., Extension Instructor in German.
Daniel Peter MacMillan, Ph.D., Extension Instructor in Psychology.
Alice Harvey Putnam, Extension Instructor in Education.
Ruth Raymond, Extension Instructor in Home Economics.
Emma Schrader, Ph.M., Extension Instructor in General Literature.
Amy Rachel Whittier, Extension Instructor in Design.

Katharine Allen Graham, Ph.B., Assistant in English.
Libbie Henrietta Hyman, Ph.D., Assistant in Zoölogy.
Roy Batchelder Nelson, A.B., Assistant in Greek.
Clarence Elmer Rainwater, A.M., Assistant in Sociology.
Mabel Ward, Assistant in Home Economics.

Thomas George Allen, Ph.D., Extension Assistant in Oriental Languages and Literatures.
Louise Clark, Extension Assistant in Design.
Eldon Cobb Evans, A.M., Ph.D., Extension Assistant in Political Science.
Edward Atwood Henry, D.B., Extension Assistant in Old Testament Language and Literature.
Ivan Seymour Nowlan, B.Th., A.M., Extension Assistant in Practical Theology.
John Arthur Powell, Ph.D., Extension Assistant in English.

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GENERAL INFORMATION

Work for non-resident students is offered by the University through the University Extension Division.

The Correspondence-Study Department offers to individual students systematic courses of study in secondary and college subjects under the personal supervision and guidance of University instructors. All non-resident work *for credit* is conducted through this Department. For further information consult the *Announcements* of the Correspondence-Study Department.

1. Purpose and Constituency.—Through the Correspondence-Study Department the University offers a large number of the courses given in the classrooms of its different divisions so that those whose formal schooling has been interrupted may continue their studies. The aim is to extend as fast and as far as possible the means and privileges of academic training. A person may begin any course for which he is prepared at any time.

2. Method of Instruction.—Each correspondence course is designed to be equivalent to the corresponding residence course. A *major* (Mj.) course calls for an amount of work which a student in residence would be expected to accomplish in twelve weeks, reciting five hours per week. A *minor* (M.) course is half a major. Courses are of two kinds, formal and informal.

a) The "formal" course furnishes a systematic presentation of the subject in a given number of lessons. Each lesson contains: (1) full directions for study, including references to the textbooks by chapter and page; (2) necessary suggestions and assistance; (3) questions to test the student's methods of work as well as his understanding of the ground covered.

b) The "informal" course is designed for students who are pursuing studies of an advanced nature. The formal lesson sheet is dispensed with, but the course is carefully outlined by the instructor, and the student is required to present satisfactory evidence that the work is being properly done.

Courses are "formal" and command credit unless statement is made to the contrary in the *Announcements* of the Department.

3. Admission.—No preliminary examination or proof of previous work is required of applicants for correspondence courses, but the University reserves the right to reject applicants, or to recommend other courses than those chosen, if the data furnished on the application blank justify such action. If the correspondence student later comes to the University of Chicago, he must comply with the requirements for admission to residence courses. (See this *Register*, pp. 97–113.)

4. Recognition for Work.—(*a*) A certificate is granted for the satisfactory completion of the recitation work in any major or minor course.

b) Admission credit is given for courses covering college-entrance requirements which are satisfactorily completed and passed by examination.

c) College credit is given for courses of a college grade satisfactorily completed and passed by examination.

5. Regulations.—(*a*) The University of Chicago grants no degree for work done wholly in absence.

b) Correspondence courses are applicable to the requirements for the different degrees as follows: (1) The candidate for a Bachelor's degree may do eighteen of the required thirty-six majors of college work by correspondence.

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(2) The candidate for the medical, the law, or the Master's degree may not reduce the requirements for his degree *in absentia*, for no instruction in medicine or in law is given by correspondence and the maximum resident time and study requirement for the Master's degree does not exceed the minimum requirement (nine months and nine majors) for any degree. (3) The candidate for the Doctor's degree may substitute correspondence for residence work *only* on approval, in advance, of the head of the department in which his work lies. Three years of resident graduate study are expected for this degree. Very few non-resident students command the necessary library or laboratory facilities for graduate study.

6. Scholarships.—Scholarships yielding tuition in residence are awarded to those who satisfactorily complete and pass, with a grade higher than 85, a given number of correspondence courses.

COURSES OF INSTRUCTION

More than 400 courses, corresponding for the most part to those given in the classrooms of the University, are offered in Philosophy, Psychology, Education, Political Economy, Accounting, Political Science, History, History of Art, Sociology, Anthropology, Household Administration, Egyptian, Assyrian, Arabic, Hebrew, Sanskrit, Greek, Latin, French, Italian, Spanish, German, Russian, English Language and Literature, General Literature, Mathematics, Astronomy, Physics, Chemistry, Geology, Zoölogy, Physiology, Botany, Hygiene, Bacteriology, Library Science, School-Library Economics, Aesthetic and Industrial Education, Drawing, Comparative Religion, Old Testament Literature, New Testament Literature, Systematic Theology, Church History, and Practical Theology. Each of these courses is fully described in the *Announcements* of the Correspondence-Study Department, which is furnished on request.

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THE AMERICAN INSTITUTE OF SACRED LITERATURE

HISTORICAL STATEMENT

In February, 1881, a correspondence school of Hebrew was organized by William R. Harper under the name of the Institute of Hebrew. Twenty students constituted the initial class. The Institute was encouraged and fostered in its work by about seventy teachers of Hebrew and the Old Testament connected with educational institutions throughout the country. The student body increased so rapidly that in its first year forty-four states and eight foreign countries were represented. It became increasingly evident that the opportunities of the school must be extended to students of the English Bible. In 1889 a reorganization was effected, and an institution having a much broader purpose was established under the name of The American Institute of Sacred Literature. The first prospectus of the new organization states its purpose as follows: "To promote the philological, literary, historical, and exegetical study of the Scriptures by means of such instrumentalities as may be found practicable." This ideal has not been changed, although changing circumstances and demands have involved modifications in methods and work.

In 1891 the headquarters of the Institute were removed to Chicago.

The Council of Seventy was organized in 1895, and this body assumed the direction of the Institute. The organization was not endowed, and after ten years the Council of Seventy unanimously consented to accept the opportunity given them by the trustees of the University of Chicago to incorporate the Institute in the University Extension Division of the University and to continue its work under the advantages offered by association with a well-established educational institution. This transfer was formally consummated July 1, 1905.

PURPOSE AND ORGANIZATION

It is the province of the Institute as a whole to conduct all non-residence work of whatever character in subjects pertaining to Sacred Literature. It is the purpose of the University to provide through the Institute, for churches, schools, pastors, teachers, and the general Christian public, facilities for non-resident study in the Bible and kindred subjects in such a variety of forms, grades, and topics that satisfactory aid may be given to any person or group of persons seeking assistance, advice, or training in topics associated with religious education. The officers of administration are the President of the University, the Secretary of the Institute, and an Executive Committee from the Divinity-School Faculty.

THE WORK OF THE INSTITUTE

Correspondence courses offered in the Institute of Sacred Literature are described under their respective departments in the preceding pages.

In the Reading and Library Department of the Institute are included all courses of prescribed reading, professional or non-professional, elementary study

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courses without correspondence instruction for individuals or groups, rapid survey courses for the training of Sunday-school teachers, and the circulation of traveling libraries.

For work done in the Reading and Library Department certificates are issued to students on the accomplishment of each course. Such certificates do not entitle the student to credit toward a degree.

COURSES OF INSTRUCTION

1. For Correspondence-Study Courses see the Departments of Oriental Languages and Literatures and of New Testament and Early Christian Literature, Comparative Religion, Systematic Theology, Church History, and Practical Theology in the Announcements of the Correspondence-Study Department.
2. Courses in Reading and Library Work. For details concerning outline Bible-study courses, professional reading courses for ministers, traveling libraries, and survey courses for Sunday-school teachers, see the Bulletin of Information of the Institute.

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PART VII

THE UNIVERSITY PRESS

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THE UNIVERSITY PRESS[1]

ORGANIZATION AND SCOPE

The University Press constitutes one of the four Divisions of the University. It is organized primarily to print and publish scientific and educational books, monographs, and journals, the scope of its activities being defined by a constitution adopted by the Board of Trustees. In general, the lines of its work are as follows: manufacturing and publishing books and journals; retailing textbooks and supplies; and purchasing books for the libraries and supplies for the departments of the University. The management of the Press is in the hands of a Director appointed by the Board of Trustees, while the general administration is in charge of a Board appointed by the Trustees from members of the Faculties.

The manufacturing plant of the Press, which is equipped to do all kinds of printing and bookmaking, has for the more technical side of its work assortments of accents, mathematical and astronomical signs, and fonts of Greek, Syriac, Arabic, Hebrew, and Ethiopic type; a stereotyping foundry, seven monotype machines, job and cylinder presses, and a bindery equipped with the necessary machinery for the production of first-class bookwork are also a part of its mechanical equipment.

The scope of the Publication Department includes the business management of the various departmental journals, the publication of books and pamphlets, and the distribution of all official documents of the University. The list of book titles now numbers about 800, and twenty-nine journals are regularly issued. The proceedings and papers of various scientific, educational, and historical societies are also published.

JOURNALS

The journals published by the University Press are as follows:

The Biblical World, monthly.
The School Review, monthly except July and August.
The Elementary School Journal, monthly except July and August.
The Botanical Gazette, monthly.
The Astrophysical Journal, monthly except February and August.
The Journal of Geology, semi-quarterly.
The American Journal of Sociology, bimonthly.
The Journal of Political Economy, monthly except August and September.
The American Journal of Theology, quarterly.
The American Journal of Semitic Languages and Literatures, quarterly.
Classical Philology, quarterly.
The Classical Journal, nine times a year.

[1] For the Board of the University Press, see p. 76.

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Modern Philology, monthly.
The University Record, quarterly.
The English Journal, monthly except July and August.

FOR THE CAMBRIDGE UNIVERSITY PRESS, ENGLAND

Biometrika, four times a year.
Parasitology, four times a year.
Journal of Genetics, four times a year.
The Journal of Hygiene, irregularly.
The Modern Language Review, quarterly.
The British Journal of Psychology, irregularly.
The Journal of Agricultural Science, quarterly.
The Biochemical Journal, six to eight times a year.
The Journal of Ecology, quarterly.
The Annals of Applied Biology, quarterly.
The Annals of the Bolus Herbarium, two parts a year.
Le Muséon—Revue d'études orientales, quarterly.

BOOKS

Among the books published by the University Press during the past year are the following:

A History of Greek Economic Thought. By A. A. Trever.

Second-Year Mathematics for Secondary Schools. By Ernst R. Breslich.

Royal Society of London, Catalogue of Scientific Papers, Vol. XV, Fittig-Hyslop.

The Convention That Nominated Lincoln. (Chicago Historical Society.) By P. Orman Ray.

Exercises and Questions for Use with "Principles of Money and Banking." By Harold G. Moulton.

History of the Working Classes in France. By Agnes M. Wergeland.

Slavery in Germanic Society during the Middle Ages. By Agnes M. Wergeland.

The Control of Hunger in Health and Disease. By Anton J. Carlson.

Exercises in Current Economics. By Walton H. Hamilton.

The Message of the Prophets of Israel to the Twentieth Century. By Herbert L. Willett.

Teaching High-School Latin. By Josiah B. Game.

The World on the Homalographic Projection. (Goode's Series of Base Maps.) By J. Paul Goode.

Agricultural Economics. By Edwin G. Nourse.

The Semantic Development of Words for "Walk, Run" in the Germanic Languages. By Roscoe M. Ihrig.

A Guide to the Study of the Christian Religion. By Gerald B. Smith.

City Residential Land Development. By Alfred B. Yeomans.

The Origin and Growth of the Hebrew Religion. By Henry T. Fowler.

The Psychology of Religion. By George A. Coe.

Elements of Bibliography. By Louis N. Feipel.

Truancy and Non-Attendance in the Chicago Schools. By Edith Abbott and Sophonisba P. Breckinridge.

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Six Lectures on Architecture. (Scammon Lectures.) By Ralph A. Cram, Thomas Hastings, and Claude Bragdon.

The Development of the Young People's Movement. By Frank O. Erb.

Animal Micrology. (Revised edition.) By Michael F. Guyer.

Bibliographical Society of America: Papers, Vol. XI.

Principles of Banking. By Harold G. Moulton.

Studies of Elementary-School Reading through Standardized Tests. (Supplementary Educational Monograph No. 1.) By William S. Gray.

A Chemical Sign of Life. By Shiro Tashiro.

Unfair Competition. By W. H. S. Stevens.

Proceedings of the American Sociological Society. Vol. XI.

The Biology of Twins. By Horatio H. Newman.

Studies in Stichomythia. By J. Leonard Hancock.

Standards of American Legislation. By Ernst Freund.

An Experimental Study in the Psychology of Reading. (Supplementary Educational Monograph No. 2.) By William A. Schmidt.

Finite Collineation Groups. By Hans F. Blichfeldt.

Household Manufactures in the United States, 1640–1860. By Rolla M. Tryon.

Food Poisoning. By Edwin O. Jordan.

Recreation and the Church. By Herbert W. Gates.

Stony Island. By Zonia Baber.

Karl Bitter—A Biography. By Ferdinand Schevill.

German-American Historical Society of Illinois Yearbook, Vol. XVI.

The Life of Karl Follen. (No. 1 of Historical Monographs of the German-American Historical Society.) By George W. Spindler.

The Religions of the World. By George A. Barton.

The Electron: Its Isolation and Measurement, and the Determination of Some of Its Properties. By Robert A. Millikan.

First Lessons in Spoken French for Men in Military Service. By Ernest H. Wilkins, Algernon Coleman, and Howard R. Huse.

First Lessons in Spoken French for Doctors and Nurses. By Ernest H. Wilkins, Algernon Coleman, and Ethel Preston.

History of the Australian Ballot in the United States. By Eldon C. Evans.

The Administration of Secondary-School Units. (Supplementary Educational Monograph No. 3.) By Leonard V. Koos.

Arithmetic Tests and Studies in the Psychology of Arithmetic. (Supplementary Educational Monograph No. 4.) By George S. Counts.

Third-Year Mathematics for Secondary Schools. By Ernst R. Breslich.

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PART VIII

OFFICIAL AND SEMI-OFFICIAL ORGANIZATIONS

RELIGIOUS ORGANIZATION

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OFFICIAL AND SEMI-OFFICIAL ORGANIZATIONS

ALUMNI ORGANIZATIONS

THE ALUMNI COUNCIL

The Alumni Council was organized in October, 1909, by two delegates from each of the four alumni associations of the University. It maintains the office of the Alumni Council Secretary, and takes charge of all alumni matters which affect the alumni in general, such as the publication of the *University of Chicago Magazine*, the extension of the alumni clubs, and the like. In June, 1914, it was decided to increase the number of delegates from each organization, and the By-Laws were modified to this effect. Under this arrangement the Council for 1917–18 is composed of the following delegates:

From the College Alumni Association:

Term 1915–18: FRANK MCNAIR, GRACE COULTER, SCOTT BROWN, HENRY SULCER, AND LAWRENCE WHITING.

Term 1916–19: J. P. MENTZER, A. W. SHERER, H. H. SWIFT, ALICE GREENACRE, AND WILLIAM LYMAN.

Term 1917–18: HARVEY HARRIS.

Term 1917–20: JOHN F. MOULDS, SHIRLEY FARR, AND RUTH PROSSER.

From the Association of Doctors of Philosophy: E. J. GOODSPEED AND HERBERT E. SLAUGHT.

From the Divinity Alumni Association: E. J. GOODSPEED, WALTER L. RUNYAN, AND WARREN P. BEHAN.

From the Law School Association: ALICE GREENACRE, WILLIAM P. MACCRACKEN, AND JOSE WARD HOOVER.

From the Chicago Alumni Club: DANIEL FERGUSON, E. E. ROGERSON, AND HOWELL MURRAY.

From the Chicago Alumnae Club: MRS. JAMES W. THOMPSON, RUTH AGAR, AND THYRZA BARTON.

From the University: JAMES R. ANGELL.

From the Undergraduates: STANLEY ROTH AND MIRIAM HICKS.

The officers of the Council for 1916–17 were:

SCOTT BROWN, *Chairman.*

JOHN F. MOULDS, *Secretary-Treasurer.*

LOCAL ALUMNI CLUBS

The Chicago Alumni Club—E. E. ROGERSON, 567 The Rookery, Chicago. (*Secretary.*)

The Chicago Alumnae Club—MARGARET HAASS, 4801 Kenwood Ave., Chicago.

The Des Moines Alumni Club—FLORENCE RICHARDSON, Drake University, Des Moines, Iowa.

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The Indianapolis Alumni Club—HELEN HARE, 4270 N. Meridian St., Indianapolis, Ind.

The Japan Alumni Club (Tokyo)—SAKEE SHIOYA, Tokyo Higher Normal College.

The Kentucky Alumni Club—J. H. RISLEY, Owensboro, Ky. (*President.*)

The Milwaukee Alumni Club—RUDY D. MATTHEWS, 700 First National Bank Bldg., Milwaukee, Wis. (*Secretary.*)

The Minnesota Alumni Club—W. D. REEVE, University of Minnesota, Minneapolis, Minn.

The New York Alumni Club—H. R. BAUKHAGE, 225 Fifth Ave., New York City.

The University of Chicago Club of the University of North Dakota (Grand Forks)—NORMA E. PFEIFFER, University of North Dakota, Grand Forks, N.D.

The Alumni Club of Omaha—IRMA GROSS, 2963 Poppleton Ave., Omaha, Neb.

The Philadelphia Alumni Club—MRS. ROY B. PACE (BERTHA PATTENGILL) Swarthmore College, Swarthmore, Pa.

The Pittsburgh Alumni Club—WALDO P. BREEDEN, 337 Augusta St., Pittsburgh, Pa.

The Salt Lake City Alumni Club—J. H. STOCKMAN, 1010 Boston Bldg., Salt Lake City, Utah.

The Sioux City Alumni Club—DAN H. BROWN, 509 Twentieth St., Sioux City, Iowa.

The St. Louis Alumni Club—MISS BERYL PARKER, 814 North and South Road, Clayton, Mo.

THE COLLEGE ALUMNI ASSOCIATION

OFFICERS, 1917–18

President: SCOTT BROWN.

First Vice-President: SHIRLEY FARR.

Second Vice-President: ALBERT W. SHERER.

Secretary-Treasurer: JOHN F. MOULDS.

Executive Committee: The officers and MRS. GEORGE SHAMBAUGH, RUTH PROSSER, HAROLD H. SWIFT, AND ALICE GREENACRE.

THE ASSOCIATION OF DOCTORS OF PHILOSOPHY

OFFICERS, 1917–18

President: E. J. GOODSPEED.

Secretary-Treasurer: HERBERT E. SLAUGHT.

Executive Committee: The officers and KATHARINE E. DOPP AND HENRY C. COWLES.

THE DIVINITY ALUMNI ASSOCIATION

OFFICERS, 1917–18

President: JOHN L. JACKSON.

First Vice-President: FREDERICK L. ANDERSON.

Second Vice-President: W. R. YARD.

Third Vice-President: J. C. HAZEN.

Secretary-Treasurer: WALTER L. RUNYAN.

Biographer: IRA M. PRICE.

Executive Committee: CLIFTON D. GRAY, *chairman;* MARK S. SANBORN AND FLOYD I. BECKWITH.

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THE LAW SCHOOL ASSOCIATION

OFFICERS, 1917–18

President: HUGO MORRIS FRIEND.
Vice-President: JAMES MCKEAG.
Secretary-Treasurer: RUDOLPH E. SCHREIBER.

THE DAMES CLUB

The Dames Club of the University of Chicago, composed of wives and mothers of students, meets on the second and fourth Saturdays of each month at 3:00 P.M., in Lexington Hall.

IDA NOYES HALL

This building is the gift of Mr. LaVerne Noyes as a memorial to his wife.

The building was formally opened and dedicated in June, 1916, in connection with the Quarter-Centennial celebration of the University, but the activities for which it was designed were not fully organized until October. The refectory, under the direction of the Director of the University Commons, is open to all women members of the University. The gymnasium, swimming-pool, bowling-alley, gameroom, and all quarters designed for physical training of women are under the control of the Director of Physical Culture for Women.

The clubhouse proper, including all social rooms, is under the charge of a Director, aided by a Council composed of representative women.

The opportunities afforded for enjoyable social life are exceptional, and hospitality is offered freely by the women to the men of the University. The resources of different kinds which the building provides are building up social standards and personal friendships which form an invaluable part of college life.

The main portion of the building has a frontage of 240 feet on Fifty-ninth Street between Woodlawn and Kimbark avenues. Space enough is left at each end for an addition, or for a connecting building, as need may suggest.

From the paneled and beamed main hall on the first floor doors on the right lead to the refectory, a room 89 feet by 44 feet and 18 feet high, seating 300 persons. On the ceiling beams are stucco decorations, and carved figures surmount the wall panels. Adjoining this room are the kitchens and service-rooms of the commons. In the main hall, directly opposite the chief entrance, are the doors to the exercising floor of the gymnasium. A door in the northwest corner of the gymnasium opens into the natatorium, finished in buff tiles, with a swimming-pool 60×24 feet, with skylight and windows opening into the cloister garden. Steps from the swimming-pool lead to the dressing-rooms below, and a door opens into the cloister. On the west side of the main hall are the cloister, the check-room, and the common room. In the latter there is a tea alcove with kitchenette; and beyond the common room is the library, with a dedicatory inscription and the University arms carved above the oak mantel. On the south side of the main hall is the office of the building.

In the basement the space under the gymnasium is devoted to dressing-rooms and shower baths. The space under the refectory is given over to lockers and

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drying-rooms. The west part of the basement contains a large gameroom, two bowling-alleys, locker- and retiring-rooms.

On the second floor, reached by the main stairway, there is a memorial room in the center of the building containing portraits of Mr. and Mrs. LaVerne Noyes and, adjoining it to the north, a trophy-room, which opens directly on the spectators' gallery of the gymnasium. The east wing is devoted to parlors for various social purposes. Parlor B is the headquarters of alumnae and graduate women. Parlor D is the Young Women's Christian League room. The rooms west of the memorial hall are those of the Department of Physical Culture.

On the third floor is the foyer of the assembly hall to the right. To the left is a large sun-parlor opening on a south roofgarden overlooking the Midway. North of the sun-parlor is a large room in which are the offices of student organizations.

MUSIC

The University Organist and Director of the Choir, ROBERT WATERMAN STEVENS, has general supervision of the musical organizations:

The University Choir. The University of Chicago Glee Club. The Women's Glee Club. The University of Chicago Military Band.

THE ORCHESTRAL ASSOCIATION

The University Orchestral Association seeks to cultivate an interest in good music by means of an annual series of orchestral concerts in Leon Mandel Assembly Hall, supplemented by such other programs as in the judgment of the officers of the Association will contribute to the aim of the Society. During the season of 1917–18 there will be eight symphony concerts by the Chicago Symphony Orchestra and two artists' recitals. Any member or friend of the University may subscribe for tickets. A special rate is afforded students in the University. The officers for the year 1917–18 are: President, Walter A. Payne; Vice-President, Mrs. Harry Pratt Judson; Secretary-Treasurer, David A. Robertson; Directors, Arthur J. Mason, Mrs. Newman Miller, Ferdinand Schevill, and Gerald Birney Smith.

THE PHILOLOGICAL SOCIETY

All persons giving instruction in the University in any of the languages, and all graduate students working in the languages, who have been accepted as candidates for the degree of Doctor of Philosophy, are eligible to membership in the Philological Society. Its officers are Professor William Gardner Hale, President; Professor Starr Willard Cutting, Secretary and Treasurer. The President and Secretary constitute the program committee.

THE BOARD OF RECOMMENDATIONS

The Board of Recommendations is the official channel through which all recommendations to teaching positions are made. The work of this board is conducted by the secretary, in consultation with an official representative of each

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of the departments concerned. Students who have been in residence at least three quarters are eligible for regular registration. Candidates should file registration documents with the secretary at the central office, Room 16A, Cobb Lecture Hall. These include confidential statements from members of the Faculties and are preserved for use by the secretary in behalf of the candidate within a period of ten years. No general testimonials are written by any officer of the University, and individual members of the Faculties do not nominate or support candidates for teaching positions except through the official representative of the department concerned, who in turn reports the action to the Secretary of the Board.

THE RENAISSANCE SOCIETY

The Renaissance Society of the University of Chicago aims to provide at the University such material means as will contribute to the cultivation of the arts and the enrichment of the life of the community. For the provision of these needs the Society (*a*) holds exhibitions of such objects of art as the University possesses; (*b*) arranges for loan exhibitions of paintings, sculpture, prints, manuscripts, books, and other objects of beauty or historical interest; (*c*) encourages gifts to the University of such objects, or of funds for the purchase of them; (*d*) secures the delivery of lectures on the arts; and (*e*) issues publications and adopts such other means in furtherance of the aims of the Society as may seem desirable. Any member or friend of the University may become a member of the Society on application for such membership, election by the Executive Committee, and payment of the fee. The officers for the year 1917–18 are: President, Ernest H. Wilkins; Treasurer, Charles L. Hutchinson; Secretary, David A. Robertson; Vice-Presidents, Mrs. Martin A. Ryerson, Mrs. Lillian Cushman Brown, J. Spencer Dickerson, James H. Breasted, and Edgar J. Goodspeed; Executive Committee, James R. Angell, Walter Sargent, H. A. Bigelow, Richard Offner, and Elizabeth Langley.

THE REYNOLDS CLUB

The clubhouse is the gift of the late Joseph Reynolds through his executor, Mr. Joy Morton, and forms one of the Tower Group buildings. The entrance door opens on a stair-hall which is a reminder of old English stair-halls of the Elizabethan period of architecture. To the left is a large reading-room, 36 feet wide and 68 feet long. To the right is the billiard-room. The second story contains the reception room, the Executive Council room, a writing-room, and the club library. The principal feature of the third floor is the assembly room. The trusses of the roof are of open timber-work of sycamore. At the north end of the assembly room is a small stage and to the south are study- and meeting-rooms for various student organizations. The main rooms in the first and second stories have paneled wainscoting and beam-ceilings of oak. The friezes in the library and billiard-room were designed after a careful study of wall decorations and applied designs in old stuffs and brocades of the period. The small theater on the third floor has a painted tapestry-effect curtain representing a fête-day in mediaeval times. In the basement are the bowling-alleys, barber-shop, and checkroom.

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With the aim of promoting unity and a sentiment of equality among the men of the University, more than a year before the opening of the Reynolds Club in October, 1903, a constitutional commission of fifty-eight students and nine members of the Faculty was organized. The commission prepared a constitution which was approved by the Board of Student Organisations and the University Council. The form of government provided for in this instrument aims to give due expression to the activities of the men students and to the interests of the University. The executive authority of the club is vested in an executive council composed of the five officers of the club, who are annually elected by the active members, and two members of the Faculty appointed by the Board of Student Organisations. All men who are students of the University in residence are eligible to active membership upon payment of moderate quarterly dues ($2.00); any officer of the University, or former member thereof, is eligible to associate membership upon payment of $3.00 a year.

The officers of the Reynolds Club for the year 1917–18 are the following: President, Hans William Norgren; Vice-President, Otto Oswald Teichgraeber; Secretary, William Wirt Henry; Treasurer, John Wells Banister; Librarian, William Carl Bausch; Manager, Harry English.

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RELIGIOUS ORGANIZATION

Officially the University provides for positive and constructive religious education in the conviction that it is a normal part of education in general and an element in complete living. Instruction in the Bible is given on Sunday by chosen specialists, and credit is given for this class work. On Sunday morning the University Preacher conducts a public service in Leon Mandel Assembly Hall. Chapel Assemblies are held on Monday for the men of the Junior Colleges, on Tuesday for the women of the Junior Colleges, on Wednesday for the Senior Colleges and the School of Commerce and Administration, and on Friday for the Divinity School. Attendance on Monday, Tuesday, and Wednesday is required.

The Board of the Christian Union, composed of representatives of the Faculties, the Schools and Colleges, the University Settlement, and the religious organisations of the University, meets monthly to consider matters affecting the religious life of the University.

The Chaplain is specially charged with assisting all the agencies of spiritual life, performs such of the duties of pastor as may be required, holds himself ready for consultations with students, and upon occasion acts as University Preacher.

THE UNIVERSITY PREACHERS

The following is the list of University Preachers for the year beginning with the Summer Quarter, 1916:

SUMMER QUARTER, 1916

June 25—Professor George W. Richards, Theological Seminary of the Reformed Church in the United States, Lancaster, Pa.
July 2—Dean Lewis B. Fisher, Ryder Divinity House, Chicago.
July 9—Professor Herbert L. Willett, University of Chicago.
July 16—President Ozora S. Davis, Chicago Theological Seminary.
July 23—Professor Shailer Mathews, University of Chicago.
July 30—Dr. James Alexander Macdonald, Editor of the *Globe*, Toronto, Canada.
Aug. 6—Professor David Jones Evans, Dean of the Theological Department, William Jewell College, Liberty, Mo.
Aug. 13—Rev. Z. B. Phillips, St. Peter's Episcopal Church, St. Louis, Mo.
Aug. 20—Professor Gerald Birney Smith, University of Chicago.
Aug. 27—Convocation Sunday: President John Abner Marquis, Coe College, Cedar Rapids, Iowa.

AUTUMN QUARTER, 1916

Oct. 8—Bishop Charles Henry Brent, of the Philippine Islands.
Oct. 15—Settlement Sunday.
Oct. 22—Rev. Francis Greenwood Peabody, Harvard Divinity School, Cambridge, Mass.
Oct. 29—Rev. Francis Greenwood Peabody.

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Nov. 5—Bishop Charles David Williams, Detroit, Mich.
Nov. 12—Bishop Charles David Williams.
Nov. 19—President James Gore King McClure, McCormick Theological Seminary, Chicago.
Nov. 26—Dean Charles Reynolds Brown, Yale School of Religion, New Haven, Conn.
Dec. 3—Dean Charles Reynolds Brown.
Dec. 10—Rev. Luther Rice Christie, First Baptist Church, Columbus, Ga.
Dec. 17—Convocation Sunday: President Henry Churchill King, Oberlin College, Oberlin, Ohio.

WINTER QUARTER, 1917

Jan. 7—President Albert Parker Fitch, Andover Theological Seminary, Cambridge, Mass.
Jan. 14—President Albert Parker Fitch.
Jan. 21—Bishop William Fraser McDowell, Washington, D.C.
Jan. 28—Bishop William Fraser McDowell.
Feb. 4—Rev. Cornelius Woelfkin, Fifth Avenue Baptist Church, New York, N.Y.
Feb. 11—Rev. Cornelius Woelfkin.
Feb. 18—President William Herbert Perry Faunce, Brown University, Providence, R.I.
Feb. 25—Dr. Robert Elliott Speer, New York, N.Y.
Mar. 4—Bishop Francis John McConnell, Denver, Colo.
Mar. 11—Bishop Francis John McConnell.
Mar. 18—Convocation Sunday: Professor Hugh Black, Union Theological Seminary, New York, N.Y.

SPRING QUARTER, 1917

April 8—Rev. John Kelman, Free St. George's Church, Edinburgh, Scotland.
April 15—Rev. Edward Caldwell Moore, Harvard Divinity School, Cambridge, Mass.
April 22—Rev. Edward Caldwell Moore.
April 29—Rev. Harry Emerson Fosdick, Union Theological Seminary, New York, N.Y.
May 6—Rev. Carl Safford Patton, First Congregational Church, Columbus, Ohio.
May 13—Dr. James Alexander Macdonald, Editor of the *Globe*, Toronto, Canada.
May 20—Rev. James Edward Freeman, St. Mark's Church, Minneapolis, Minn.
May 27—Rev. William Coleman Bitting, Second Baptist Church, St. Louis, Mo.
June 3—Rev. George Alexander Johnston Ross, Union Theological Seminary, New York, N.Y.
June 10—Convocation Sunday: Bishop Charles Palmerston Anderson, Chicago, Ill.

COURSES IN THE ENGLISH BIBLE

Courses in the English Bible, which are open to students of all divisions of the University, and for which University credit is given in the Colleges, are

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offered by the instructors of the Department of Old Testament Literature and Interpretation and of the Department of New Testament and Early Christian Literature on Sundays at 9:00 A.M. The aim of these courses is to guide the students into a study of the Bible which shall be at the same time thoroughly scientific and spiritually helpful.

LECTURES ON THE HASKELL FOUNDATION

The eighteenth series of Lectures on the Haskell Foundation was delivered January 29, February 1–5, by Professor Masaharu Anesaki, of the Imperial University of Tokyo, Japan, on "Japanese Art" and "Buddhism."

THE CHRISTIAN UNION

The Christian Union was organized as a Board of the University of Chicago by action of the Trustees, April 30, 1901. As reorganized in 1914, its purpose, constituency, and organization are as follows:

I. PURPOSE

1. To federate and give larger efficiency to the officially recognised interdenominational or undenominational organizations ministering to the moral and religious welfare of the University.

2. To determine the general policy of moral and religious activities within the University.

3. To assist in financing its constituent co-operating organizations and such other moral and religious activities as may appear to the Board needed and practicable.

4. To suggest to the President University preachers and have general oversight of the administration of the preaching services in the University.

5. To co-operate in the work of the University of Chicago Settlement.

6. To give official recognition to student organizations for religious and moral ends.

II. MEMBERSHIP

1. *Ex officio:*

1) The President of the University.
2) The Recorder of the University.
3) The Chaplain of the University.
4) The presidents or chairmen of its co-operating organizations or of their Advisory Boards.
5) The salaried secretaries of such organizations.
6) The Chairman of the Settlement Board.
7) The Director of the University Choir.
8) The Dean of Women.

2. *Appointed by the President of the University:*

1) Ten members of the Faculties of the University.
2) Ten members of the student body to be nominated by the Student Councils and such other officially recognized student bodies as may take action for this end.

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III. ORGANIZATION

1. The officers of the Board of the Christian Union shall be elected at its first meeting in the Spring Quarter of each year. They shall hold office until their successors are elected.

2. The officers shall be a Chairman and a Vice-Chairman who shall be members of the Faculties of the University, a Treasurer, and a Secretary. Their duties shall be those usually attached to their offices.

3. Standing Committees of the Board shall be appointed on Finance; Philanthropy; Sunday Services and Chapel Services; General Religious Work. An Executive Committee shall also be appointed, composed of the officers and chairmen of standing committees.

IV. MEETINGS

1. The Board of the Christian Union shall hold regular meetings on the third Saturday of each month and such special meetings as may be called by the Chairman of the Executive Committee.

2. At the regular meetings reports shall be made by the standing committees and the representatives of the co-operating organizations.

VOLUNTARY RELIGIOUS ORGANIZATIONS

The students have organized efficient societies for educational meetings and other religious purposes. Among them the following are interdenominational in character: the Young Women's Christian League, the Young Men's Christian Association, the Student Volunteer Band.

THE UNIVERSITY SETTLEMENT

The Board of the University of Chicago Settlement is incorporated and owns a building and lots worth about $30,000. The Board is regarded as the Philanthropic Committee of the Christian Union, and reports to the Union. To maintain the work it depends upon the offering made at the University religious service on Sunday and subscriptions of members of the Faculties, students, and other friends. The Settlement house and the gymnasium are at 4630 Gross Avenue. The Chairman of the Settlement Board is PROFESSOR FLOYD R. MECHEM and the Head Resident is MISS MARY E. MCDOWELL.

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PART IX

LECTURES

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LECTURES

Lectures at the University of Chicago are of three classes: 1. Lectures arranged by one particular department, instructor, or club, for the members of that department, or of some one class or club, to which other members of the University may or may not be admitted. The departmental lectures are in the nature of more or less informal class talks for which the department or instructor concerned assumes responsibility. 2. Lectures arranged for the Summer Quarter to be known hereafter as "University Public Lectures." Lectures are arranged for by the chairman of the Committee of Public Lectures, David A. Robertson. 3. All other open lectures to be known hereafter as "Public Lectures." Public lectures are arranged for through the President's office and with the sanction of the President of the University.

The Haskell Lectureship of Comparative Religion was established by Mrs. Caroline E. Haskell on May 5, 1894. It provides for at least six lectures to be delivered annually at the University. In accordance with the expressed wish of the donor, these lectures are intended to set forth the relations of Christianity to the other faiths of the world.

The Barrows Lectureship was founded by Mrs. Caroline E. Haskell, on October 24, 1894. It bears the name of the late John Henry Barrows, D.D., an honored minister of Chicago whose "catholicity of spirit and prolonged, laborious devotion gave to the Parliament of Religions [held during the World's Columbian Exposition in 1893] in so large a measure its remarkable success." The lectures upon this foundation are given, usually biennially, by leading Christian scholars of Europe, Asia, and America, and are intended to present the great truths of Christianity, and its harmonies with the truths of other religions, to the scholarly and thoughtful people of India.

The income from the Emily Talbot Foundation, endowed by Dean Marion Talbot, will eventually be devoted, by means of lectures, publication, and research or similar means, to the advancement of the education of women.

The Nathaniel Colver Lectureship and Publication Fund was created by Mr. Jesse L. Rosenberger, a student of the Old University of Chicago, and Susan E. (née Colver), his wife, a graduate of the Old University of Chicago, Class of 1882. It is a memorial to Mrs. Rosenberger's grandfather, Nathaniel Colver, D.D., a noted Baptist divine and abolitionist, who aided in founding what is now the Divinity School of the University of Chicago. The income from this fund, when available, is to be used to defray the expenses of lectures or lecture courses, to be given, preferably in connection with the Divinity School, by persons of eminent scholarship or other special qualifications, on religious, biblical, moral, sociological, or other vital subjects.

The Colver-Rosenberger Lecture Fund was given by Mr. and Mrs. Jesse L. Rosenberger, in part to honor the memory of the latter's father, Rev. Charles K. Colver, a man of rare character and scholarship. The income from this fund, when available, will provide lectures which are intended to add to the sum of

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practical human knowledge and to aid in the solution of the vital problems of human life. The lectures are to be kept, preferably, in the field of sciences relating to human society and welfare, the particular topics to be determined by the Board of Trustees.

The Hiram W. Thomas Lectures, for the perpetuity of which funds were provided by Mrs. Vandelia Varnum Thomas, are to be given by representative men "of the larger faith." The lectures are intended to express the ever-growing thought of the world in religion and life. The lectureship is a memorial to Dr. Hiram W. Thomas, a minister distinguished in the history of Chicago.

The William Vaughn Moody Lectures have been established by an unnamed donor for five years beginning with 1917. The fund provides for lectures by eminent speakers before the students. The committee, appointed by the Board of Trustees of the University, in general charge of the lectures consists of Professor Andrew C. McLaughlin, Associate Professor David A. Robertson, and Professor Paul Shorey.

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PART X

FELLOWS AND SCHOLARS

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FELLOWS AND SCHOLARS

FELLOWS APPOINTED FOR THE YEAR 1917–18

EDWARD STOWE AKELEY, Physics.
A.B., University of North Dakota, 1915.

CHESTER JACOB ATTIG, History.
A.B., Northwestern College, 1908.

EDITH ABBIE AYRES, Philosophy.
A.B., Wellesley College, 1914; A.M., *ibid.*, 1915.

EMERY WINFIELD BALDUF, German.
A.B., Heidelberg University, 1910; A.M., University of Chicago, 1913.

ONIAS BARBER BALDWIN, Education.
A.B., Friends University, 1906; A.M., University of Chicago, 1911.

ISRAEL ALBERT BARNETT, Astronomy.
S.B., University of Chicago, 1915; S.M., *ibid.*, 1916.

J. WESLEY BARTON, Psychology.
S.B. in Education, University of Utah, 1915.

EDWIN JOSEPH BASHE, German.
A.B., State University of Iowa, 1915; M.A., University of Chicago, 1916.

HOLLY REED BENNETT, Geology.
S.B., University of Chicago, 1914.

OSWALD BLACKWOOD, Physics.
A.B., Boston University, 1909.

WILLIAM OSCAR BLANCHARD, Geography
Ph.B., University of Wisconsin, 1910; Ph.M., *ibid.*, 1917.

LLOYD E. BLAUCH, Education.
A.B., Goshen College, 1916.

HUGO LEANDER BLOMQUIST, Botany.
S.B., University of Chicago, 1916.

GUSTAV ADOLF VON BRAUCHITSCH, Old Testament.
Grad., Concordia College, St. Paul, 1911; Grad., Concordia College, St. Louis, 1914.

RAY QUINCY BREWSTER, Chemistry.
S.B., Ottawa University, 1914; A.M., University of Kansas, 1915.

LORIMER VICTOR CAVINS, Education.
A.B., University of Illinois, 1906; A.M., Harvard University, 1910.

HELEN ASHURST CHOATE, Botany.
A.B., Smith College, 1904; A.M., *ibid.*, 1909.

GROVER GULICK CLARK, Philosophy.
A.B., Oberlin College, 1914.

CLARENCE LEON CLARKE, Education.
Ph.B., Alfred University, 1906.

BEVERLY PAUL CLAYTON, History.
A.B., Hendrix College, 1914; A.M., University of Chicago, 1915.

NEMOURS HONORE CLEMENT, Romance.
A.B., Tulane University, 1911; LL.B., *ibid.*, 1914; A.M., *ibid.*, 1915.

VERNON COOK, Greek.
A.B., University of South Carolina, 1907; M.A., *ibid.*, 1909.

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MORRIS A. COPELAND, Political Economy.
A.B., Amherst College, 1917.

HORACE NOBLE CORYELL, Geology.
A.B., Indiana University, 1914; A.M., *ibid.*, 1915.

JAMES ELIAS CRIBBS, Botany.
A.B., Grove City College, 1914; S.M., University of Chicago, 1916.

CECIL MERNE PUTNAM CROSS, History.
A.B., Brown University, 1915; A.M., *ibid.*, 1915.

HOWARD BENJAMIN CROSS, Zoölogy.
A.B., University of Oklahoma, 1915.

REGINALD SCOTT DEAN, Geology.
S.B., Missouri School of Mines, 1915; S.M., *ibid.*, 1915; S.M.M., Harvard University, 1916.

JOHN WILLIAM DECKER, Religious Education.
A.B., Richmond College, 1911; A.M., *ibid.*, 1912; Th.M., Southern Baptist Theological Seminary, 1915; Applicant, Th.D., May, 1917.

ERNEST WOODRUFF DELCAMP, Latin.
A.B., Transylvania College, 1907; A.M., *ibid.*, 1909.

MINNA CAROLINE DENTON, Household Administration.
S.B., University of Michigan, 1900; A.M., *ibid.*, 1901.

WILLIAM DIAMOND, German.
A.B., University of Manitoba, 1915; A.M., *ibid.*, 1916.

JAY KARL DITCHY, Romance.
A.B., University of Michigan, 1911; A.M., University of Illinois, 1913.

PEARL WHITFIELD DURKEE, Physics.
A.B., Acadia University, 1903; S.B. in E.E., McGill University, 1906.

SCOTT VERNE EATON, Botany.
A.B., Earlham College, 1908; S.M., University of Chicago, 1913.

EDWARD ALBERT EBERHARDT, German.
A.B., Indiana University, 1907; A.M., Harvard University, 1910.

WILLIAM FRANKLIN EDGERTON, Oriental Languages and Literatures.
A.B., Cornell University, 1915.

ARTHUR THOMPSON EVANS, Botany.
A.B., University of Illinois, 1912; A.M., University of Colorado, 1915.

NATHAN FINE, Political Economy.
Ph.B., University of Chicago, 1915.

EMANUEL BERNARD FINK, Pathology.
S.B., University of Chicago, 1914.

IDA CAPEN FLEMING, Greek.
A.B., McKendree College, 1884; A.M., University of Chicago, 1913.

BERNARD FREYD, Philosophy.
A.B., University of Washington, 1916; A.M., *ibid.*, 1917.

MONT ROBERTSON GABBERT, Philosophy.
A.B., Transylvania College, 1915; A.M., *ibid.*, 1916.

HELEN GARDNER, History of Art.
A.B., University of Chicago, 1901.

CORNELIUS GOUWENS, Mathematics.
S.B., Northwestern University, 1910; M.A., University of Illinois, 1911.

ERNEST HAHN, History.
Diploma, Concordia College.

MARY GRACE HAMILTON, English.
A.B., University of California, 1912; A.M., *ibid.*, 1913.

ALBERT EUSTACE HAYDON, Systematic Theology.
A.B., McMaster University, 1901; Th.B., *ibid.*, 1903; D.B., *ibid.*, 1906; A.M., *ibid.*, 1907.

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LESLEY HENSHAW, History.
A.B., University of Cincinnati, 1910; A.M., *ibid.*, 1911.

ALISON PUGH HICKSON, Physics.
A.B., Furman University, 1901.

LAIRD THOMAS HITES, Religious Education.
A.B., William Jewell College, 1915; A.M., University of Chicago, 1916.

HELEN SARD HUGHES, English.
Ph.B., University of Chicago, 1910; A.M., *ibid.*, 1911.

WILLIAM ANDREW IRWIN, Old Testament.
A.B., University of Toronto, 1915; A.M., *ibid.*, 1916.

CLYO JACKSON, New Testament.
A.B., University of Toronto, 1905; A.M., *ibid.*, 1909.

HOWARD EIKENBERRY JENSEN, Sociology.
A.B., University of Kansas, 1914; A.M., *ibid.*, 1915.

JENS PETER JENSEN, Political Economy.
A.B., Dakota Wesleyan University, 1913.

WILLIAM POLK JESSE, Physics.
A.B., University of Missouri, 1913; M.E., *ibid.*, 1913.

EDITH FLORENCE JONES, Geography.
A.B., Wellesley College, 1916.

HENRY ALBERT JONES, Botany.
S.B., University of Nebraska, 1916.

HERBERT HIRAM KING, Chemistry.
A.B., Ewing College, 1904; A.M., *ibid.*, 1906; S.M., Kansas State Agricultural College, 1915.

ERNEST PRESTON LANE, Mathematics.
A.B., University of Tennessee, 1909; A.M., University of Virginia, 1913.

LAWRENCE EARL MCALLISTER, Physics.
A.B., Oberlin College, 1916.

JACKSON BENJAMIN MCKINNEY, English.
A.B., Marietta College, 1909; A.M., Ohio State University, 1913.

DAVID MCLAREN, Chemistry.
A.B., University of Toronto, 1915; A.M., *ibid.*, 1916.

HENRY MAX MCLAUGHLIN, Chemistry.
S.B., Ohio University, 1914; A.M., Ohio State University, 1915.

GEORGE EVERETT MARSH, Geology.
S.B., Massachusetts Institute of Technology, 1901; E.E., Armour Institute of Technology, 1909.

JOHN R. MARSHALL, Geology.
S.B., Queen's University, 1915.

EDWARD CHARLES MASON, Physiological Chemistry.
A.B., Drury College, 1914.

BALDWIN MAXWELL, English.
A.B., University of North Carolina, 1915; A.M., *ibid.*, 1915.

ROBERT VALENTINE MERRILL, Romance.
A.B., Oxford University, 1916.

FRED BENJAMIN MILLETT, English.
A.B., Amherst College, 1912.

CHARLES H. MILLIGAN, Chemistry.
S.B., University of Chicago, 1915.

MUENZINGER, K. F., Philology.

FREDERICK WILLIAM MULSOW, Hygiene.
A.B., Baker University, 1911.

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EVA MAY NEWMAN, Latin.
A.B., Leland Stanford Jr. University, 1915; A.M., *ibid.*, 1916.
THOMAS GUTHRIE PHILLIPS, Botany.
S.B. in Agriculture (Ohio State University), 1912; S.M., *ibid.*, 1913.
EMMA FEILD POPE, English.
A.B., University of Chicago, 1912; A.M., *ibid.*, 1913.
BERNARD RAYMOND, Physiology.
A.B., Ohio State University, 1914; A.M., *ibid.*, 1916.
JOHN ANDREW RICE, JR., Latin.
A.B., Tulane University, 1911; B.A., Oxford University, 1914.
WILLIAM LEEDS RICHARDSON, Education.
A.B., University of Toronto, 1911.
MARY MEDA RISING, Chemistry.
A.B., Mount Holyoke College, 1912.
CHARLES JAMES RITCHEY, New Testament.
A.B., Drake University, 1910; A.M., *ibid.*, 1911; A.M., Yale University, 1913.
CHARLES CHAMBERLAIN ROOT, Education.
A.B., University of Michigan, 1909.
MANDAYAM A. SAMPATH, Botany.
A.B., Presidency College, India, 1910; S.M., University of Chicago, 1916.
(EZRA) DWIGHT SANDERSON, Sociology.
S.B. in Agriculture (Cornell University), 1898.
NOEL GHARRETT SARGENT, Political Science.
A.B., University of Washington, 1915; A.M., University of Minnesota, 1916.
MINNA JOHANNA SCHICK, Mathematics.
S.B., Northwestern University, 1916; A.M., *ibid.*, 1917.
OVID ROGERS SELLERS, Oriental Languages.
A.M., University of Chicago, 1904.
HOWARD MARTIN SHEAFF, Physiological Chemistry.
A.B., University of Nebraska, 1910.
JAMES BLAINE SHOUSE, Education.
A.B., University of South Dakota, 1901; A.M., University of Chicago, 1910.
WEBSTER GODMAN SIMON, Mathematics.
A.B., Harvard University, 1914; A.M., *ibid.*, 1915.
WARREN BRAMAN SMITH, Anatomy.
A.B., Carroll College, 1912.
CAROLINE SPARROW, History.
A.B., Goucher College, 1900; A.M., *ibid.*, 1903.
LELAND JOHNSON STACEY, Physics.
A.B., St. Lawrence University, 1909.
DEWITT TALMAGE STARNES, English.
A.B., University of Chattanooga, 1911; A.M., University of Chicago, 1916.
HANNAH BARD STEELE, Astronomy.
A.B., Swarthmore College, 1909; A.M., *ibid.*, 1912.
LLOYD LINCOLN STEWART, Geology.
A.B., Leland Stanford Jr. University, 1914; A.M., University of California, 1916.
HERMAN VANCE TARTAR, Chemistry.
S.B., Oregon Agricultural College, 1902.
JOHN WILSON TAYLOR, Greek.
A.B., University of Toronto, 1914; A.M., *ibid.*, 1916.
FREDERIC MILTON THRASHER, Sociology.
A.B., De Pauw University, 1915.
WALTER CARL TOEPELMAN, Geology.
A.B., University of Oklahoma, 1916.

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ARTHUR EMANUEL WALD, German.
A.B., Augustana College, 1905.
EUNICE WATTENBARGER, History.
Ph.B., University of Chicago, 1916.
WANDA WENIGER, Botany.
S.B., Oregon Agricultural College, 1915; S.M., University of Wisconsin, 1916.
PAUL VINING WEST, Education.
A.B., University of Denver, 1908; M.A., *ibid.*, 1915.
BENJAMIN HARRISON WILLIER, Zoölogy.
S.B., Wooster College, 1915.
ROY ARTHUR WILSON, Geology.
S.B., University of Montana, 1916; A.M., *ibid.*, 1917.
KATHARINE DENISE WOLLASTINE, Romance.
Ph.B., University of Chicago, 1913.
WARNER F. WOODRING, History.
A.B., Tri-State College, 1914.
COMER MCDONALD WOODWARD, Sociology.
A.B., Emory College, 1900.
MARGARET WOOSTER, Psychology.
A.B., University of Nebraska, 1913; A.M., *ibid.*, 1915.
KIA LOK YEN, Philosophy.
A.B., Cornell University, 1915.

SCHOLARS APPOINTED FOR THE YEAR 1916–17

I. GRADUATE SCHOLARS

APPOINTED FOR EXCELLENCE IN THE WORK OF THE SENIOR COLLEGES

ROSA BIERY, Household Administration (resigned).
HUGO LEANDER BLOMQUIST, Botany.
ROY ALLEN BURT, Chemistry (resigned).
ROBERT GUY BUZZARD, Geography.
IRENE CASE, Psychology.
WALTER LEE FOSTER, Geology.
MARIE HELEN KAHER, Latin.
BERTHA KAPLAN, Botany (resigned).
WALTER LAWRENCE, Zoölogy.
OTTO MAYER, Sociology (resigned).
RUTH PROSSER, Philosophy.
GERTRUDE ELIZABETH SMITH, Greek.
DALE RAYMOND SNOW, Geology (resigned).
RUTH MARIE VICTORSON, Bacteriology.
EUNICE WATTENBARGER, History (resigned).

II. SENIOR COLLEGE SCHOLARS

APPOINTED FOR EXCELLENCE IN THE WORK OF THE JUNIOR COLLEGES

WILLIAM DUNFORD APPEL, Zoölogy (resigned).
JOHN MORRIS ARTHUR, ETHEL MARIE FIKANY } Botany.
EDWARD BLANKENSTEIN, Physics.
LETITIA CHAFFEE, German.

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Samuel Chutkow, History.
Bertha Corman, Sociology.
Leslie Hellerman, Chemistry.
Katherine Sadie Lentz, Greek.
Cleora Lewis, Geography.
Abba Lipman, Political Economy.
Elizabeth McPike, Romance.
Horace Lundh Olson, Mathematics.
Gloria Roeth, Latin.
James McBrayer Sellers, Geology.
Charles Stern, English.

III. JUNIOR COLLEGE SCHOLARS

APPOINTED FOR EXCEPTIONAL ABILITY IN THE WORK OF THE FIRST YEAR

Marie Meta Andresen.
George Andrew Barclay.
James Paul Bennett.
Mildred Celia Berleman.
Clotilde Marguerite DeCelles.
Elizabeth Mary Grimsley.
Harold Lewis Hanisch.
Alice Marie Holden.
Samuel Jacob Jacobsohn.
Leonard Lester Johnson.
Bernard Nath.
Inez Elvira Ostberg.
Ruth Rozella Pearson (resigned).
Benjamin Perk.
Robert Redfield.
Dorothy Fielding Roberts (Sels).
Ernest Schein (resigned).
Mary Caroline Taylor.
Maurice Wallk.
Helen Elizabeth Wood (Sels).

IV. COMMERCE AND ADMINISTRATION SCHOLARS

APPOINTED FOR EXCELLENCE IN THE WORK OF THE SCHOOL

Isabel Reside Currie.
Sigrid Marie Johnson.
Edward Theodore Soukup.
Lucy Coleman Williams.

SPECIAL AND PRIZE SCHOLARS

Carl L. Marcus, First
Kate Heller, Second } Florence James Adams Prize.
Sallie Sterling Rust, Enos M. Barton Scholarship.
Elizabeth Madox Roberts, David Blair McLaughlin Prize.
Helen Roxana Olson, Permelia Brown Scholarship.
Eva Marie Richolson, Permelia Brown Scholarship.
Jennie Cornelia TenCate, Permelia Brown Scholarship.
Leah Gertrude TenCate, Permelia Brown Scholarship.
Hannah Matilda Bunge, Colby Scholarship.
Helen Josephine Foulke, Colby Scholarship.
Robert William Hambrook, Colby Scholarship.
James Alonzo Howard, Colby Scholarship.
John Wesley Stokes, Colby Scholarship.
Daniel Jerome Fisher, Conference Medal for Excellence in Athletics and Scholarship.

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JOHN WARWICK LONG, John Crerar Scholarship.
JOHN NUVEEN, JR., John Crerar Scholarship.
RICHARD ABRAHAM RUBOVITS, John Crerar Scholarship.
EDITH MARIE LIGHT, Zwinglius Grover Scholarship.
COMER MCDONALD WOODWARD, Milo P. Jewett Prize.
ELIZABETH JANE HART, Kelly Scholarship.
HAROLD JACOB FISHBEIN, Walter D. Löwy Scholarship.
ABRAHAM JOSEPH WEINBERG, Walter D. Löwy Scholarship.
SIDNEY MAURICE WEISMAN, Walter D. Löwy Scholarship.
KATHERINE EWING MACMAHON, Henry C. Lytton Scholarship.
IDA KRAUS, Marie J. Mergler Scholarship.
JOSEPH EMMANUEL BILLMAN, Pillsbury Academy Scholarship.
WILLIAM ROBERT BAKER, Joseph Reynolds Scholarship.
FRED LLEWELLYN BAUMANN, Joseph Reynolds Scholarship.
HARRY WILLIAM FINK, Joseph Reynolds Scholarship.
MORRIS WOLF HERTZFIELD, Joseph Reynolds Scholarship.
FRANK BRAZZIL KELLY, Joseph Reynolds Scholarship.
FREDERICK CHARLES LEONARD, Joseph Reynolds Scholarship.
ALBERT HERMANN MILLER, JR., Joseph Reynolds Scholarship.
GEORGE HOBART MCDONALD, Joseph Reynolds Scholarship.
GUSTAF IVAN OSTBERG, Joseph Reynolds Scholarship.
STANLEY HAROLD ROTH, Joseph Reynolds Scholarship.
GEORGE VAN DER VEEN, Joseph Reynolds Scholarship.
HARRY BENJAMIN VAN DYKE, Joseph Reynolds Scholarship.
ENRIQUE EDUARDO ECKER, Howard Taylor Ricketts Prize.
CLAUDE WILLIAM WARREN, First
EMMER DAVIS EDWARDS, Second } Julius Rosenwald Prize.
ETHEL WEST ZIMMERMAN, Scammon Scholarship.
DOROTHY FIELDING ROBERTS
HELEN ELIZABETH WOOD } Lillian Gertrude Sels Scholarship.
ROSE LEE, Elbert H. Shirk Scholarship.
HELEN EDMONIA MCWHORTER, Charles H. Smiley Scholarship.
JOHN WILLIAM AARON SCOTT, Charles H. Smiley Scholarship.
ARTHUR OSCAR HANISCH, Henry Strong Scholarship.
JOSEPH JAY LEVIN, Henry Strong Scholarship.
ESTHER JANE HELFRICH, Henry Strong Scholarship.
PHILLIPS GODDARD, Henry Strong Scholarship.
GRACE LEONE BARNETT, Fannie C. Talcott Scholarship.
NETTIE MARIE FISH, Fannie C. Talcott Scholarship.
HAZEL EVA KOCH, Fannie C. Talcott Scholarship.
LOUISE COMSTOCK MAXWELL, William A. Talcott Scholarship.
EDITH MARION OSBORN, William A. Talcott Scholarship.
GRADY KIRBY, John Elmer Thomas Scholarship.
CATHERINE LOIS HAYMAKER, Tilton Scholarship.
FLORENCE MAY RYAN, University Scholarship.
ELOISE BLAINE CRAM, Katherine M. White Scholarship.
FLORENCE LOGAN KILVARY, Katherine M. White Scholarship.
EMMA KATHERINE KUEBKER, Katherine M. White Scholarship.

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UNIVERSITY MARSHALS, 1917–18

JAMES ALFRED FIELD, Marshal of the University

ASSISTANT MARSHALS

GILBERT AMES BLISS
ROLLIN THOMAS CHAMBERLIN
HENRY GORDON GALE
WELLINGTON DOWNING JONES
FRED MERRIFIELD
DAVID ALLAN ROBERTSON
CHESTER WHITNEY WRIGHT

COLLEGE MARSHALS

ARTHUR ALOIS BAER
CARL THOMAS BRELOS
SHERMAN OLIVER COOPER
JAMES MILTON COULTER
ROBERT HENRY DUNLAP
WALTER CLARENCE EARLE
FRANCIS DONALD HARPER
NORMAN GALE HART
HANS WILLIAM NORGREN
JOHN NUVEEN, JR.
STANLEY HAROLD ROTH

COLLEGE AIDES

MARY BERNARD ALLEN
CATHERINE DORMER CHAMBERLAIN
ROSEMARY CARR
ELOISE BLAINE CRAM
HARRIET CURRY
FLORENCE LOGAN KILVARY
BARBARA MILLER
AGNES GAMBLE MURRAY
JULIA MARGUERITE RICKETTS

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PART XI

REGISTRATION OF STUDENTS

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REGISTRATION OF STUDENTS, 1916–17

ABBREVIATIONS.—ACADEMIC RECORD.—In the statement of academic record, U. = University; C. = College; S. = School; Sm. = Seminary; Hs. = High School; A. = Academy; Inst. = Institute (or Institution).

PERIOD OF RESIDENCE.—*s* = Resident during Summer Quarter, 1916; *a* = Resident during Autumn Quarter, 1916; *w* = Resident during Winter Quarter, 1917; *sp* = Resident during Spring Quarter, 1917.

† = Graduate students studying abroad.

In the list of subjects following the academic record the principal subject is placed first; (fel.) indicates "fellow" in department.

NOTE.—The naming of a degree not followed by the name of an institution in parentheses is understood to mean a degree conferred at the University of Chicago.

Where no state is mentioned, Illinois is understood.

THE GRADUATE SCHOOLS OF ARTS, LITERATURE, AND SCIENCE

I. DOCTORS OF PHILOSOPHY PURSUING SPECIAL COURSES

Atwood, Winfred McKenzie, *s*, Cornwallis, Ore. A.B. (Cornell C.) '07; A.M. (*ibid.*) '10; S.M. '11; Ph.D. '13. Physiology.

Beers, Ethel Ella, *s*, Chicago. A.B. '97; Ph.D. (*ibid.*) '12. Greek.

Bennett, Albert Arnold, *s*, Princeton, N.J. A.B. (Brown U.) '10; A.M. (*ibid.*) '10; S.M. (*ibid.*) '10; Ph.D. (Princeton U.) '15. Mathematics.

Bivin, George Davis, *sp*, Chicago. A.B. (Clark C.) '09; A.M. (Clark U.) '10; Ph.D. (*ibid.*) '13. Education.

Blumberg, Henry, *s*, Lincoln, Neb. A.B. (Columbia U.) '07; A.M. (*ibid.*) '08; Ph.D. (Goettingen U.) '12. Mathematics.

Bucher, Walter Herman, *s*, Cincinnati, Ohio. Ph.D. (Heidelberg U.) '11. Geology.

Campbell, Charles Boyle, *s*, Arcola. Ph.B. (DePauw U.) '00; Ph.D. '12. German.

Caparo, Joseph Angel, *s*, Notre Dame, Ind. C.E. (U. of Notre Dame) '08; E.E. (*ibid.*) '09; M.S. (*ibid.*) '12; Ph.D. (*ibid.*) '13; S.D. (St. Anthony U.) '13. Mathematics.

Crosby, Elisabeth Caroline, *s*, Petersburg, Mich. S.B. (Adrian C.) '10; S.M. '12; Ph.D. (*ibid.*) '15. Anatomy.

Curtis, George Morris, *s*, Minooka. A.B. (U. of Michigan) '10; A.M. (*ibid.*) '10; Ph.D. (*ibid.*) '14. Physiology.

Dickerman, Sherwood Owen, *a*, Williamstown, Mass. A.B. (Yale U.) '96; Ph.D. (U. of Halle) '09. Greek.

Dickson, Thomas Wyatt, *s*, Greenville, Pa. A.B. (U. of North Carolina) '07; A.M. (*ibid.*) '09; Ph.D. (Johns Hopkins) '13. History.

Dines, Lloyd Lyne, *s*, Quincy. A.B. (Northwestern U.) '06; A.M. (*ibid.*) '07; Ph.D. '11. Mathematics.

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Doubt, Sarah Lucinda, *s*, Chicago. S.B. (U. of Nebraska) '03; S.M. (*ibid.*) '08; Ph.D. (*ibid.*) '15. Botany.

Dunn, Grace Adelaide, *a*, Princeton, Minn. Ph.B. (Hamline U.) '09; A.M. (Johns Hopkins U.) '14; Ph.D. (*ibid*.) '15. Botany.

Egerer, Grete, *s*, Baltimore, Md. Ph.D. (U. of Prague) '13. Chemistry.

Enwell, Hasse Octavius, *w*, *sp*, Chicago. Ph.B. (Northwestern U.) '02; S.T.B. (Boston U., S. of Theology.) '04; Ph.D. (*ibid.*) '15. Philosophy.

Fortney, Lorain, *s*, Milwaukee, Wis. A.B. (U. of West Virginia) '96; D.B. (*ibid.*) '96; Ph.D. (U. of Pittsburgh) '03. Political Economy.

Gilman, Joseph Charles, *s*, Ripon, Wis. S.B. (U. of Wisconsin) '12; S.M. (*ibid.*) '14. Ph.D. (Washington U.) '15. Zoölogy.

Hall, Arthur Jackson, *s*, Richardson, Va. A.B. (Richmond C.) '98; A.M. (*ibid.*) '99; Ph.D. '11. Education.

Hall, Robert Anderson, *sp*, Minneapolis, Minn. A.B. '05; Ph.B. (*ibid.*) '07. Chemistry.

Hayes, Mary Holmes Stevens, *w*, Chicago. A.B. (U. of Wisconsin) '04; Ph.D. '10. Psychology.

Hays, Heber Michael, *s*, *a*, *w*, *sp*, Broadway, Va. A.B. (Mount Morris C.) '08; A.M. '13; Ph.D. '15. Greek.

Headley, Leal Aubrey, *s*, Northfield, Minn. S.B. (Carleton C.) '07; A.M. (Harvard U.) '09; Ph.D. (*ibid.*) '16. Education.

Hirsch, Edwin Frederick, *w*, *sp*, Wauwatosa, Wis. A.B. (Northwestern U.) '10; A.M. (U. of Illinois) '11; Ph.D. '14. Pathology.

Jones, Florence Nightengale, *w*, Chicago. A.B. (Oberlin C.) '83; A.M. (U. of Michigan) '91; Ph.D. '03. Romance.

Kaczmarek, Regidius Marion, *s*, Laporte, Ind. A.B. (St. Stanislaus C.) '14; Ph.D. (Notre Dame U.) '15. Zoölogy.

Lee, Judson Fiske, *s*, Chicago. A.B. (Des Moines C.) '04; A.M. (U. of Iowa) '05; Ph.D. '13. Political Science.

Lewis, Florence Partherna, *s*, Baltimore, Md. A.B. (U. of Texas) '97; Ph.D. (Johns Hopkins U.) '13. Astronomy.

Luckey, Bertha Musson, *s*, Lincoln, Neb. A.B. (U. of Nebraska) '10; A.M. (*ibid.*) '12; Ph.D. (*ibid.*) '16. Education.

Menge, Edward John, *s*, Fond du Lac, Wis. A.B. (U. of Texas) '14; A.M. (*ibid.*) '15; P.D. (*ibid.*) '16. Physiology.

Milroy, Ina Annette, *s*, Plymouth, Mich. (Michigan State Normal) '86; Ph.D. (Berlin U.) '04. Romance.

Morgan, Anna Haven, *s*, New London, Conn. A.B. (Cornell U.) '06; Ph.D. (*ibid.*) '12. Zoölogy.

Park, Edwards A., *s*, Baltimore, Md. A.B. (Yale U.) '00; Ph.D. (Johns Hopkins U.). Chemistry.

Peabody, Susan Wade, *w*, Chicago. S.B. (Wellesley C.) '86; Ph.D. '08. Political Science.

Pell, Anna Johnson, *s*, South Hadley, Mass. A.B. (U. of South Dakota) '03; A.M. (Radcliffe C.) '05; Ph.D. '10. Mathematics.

Pitcher, Arthur Dunn, *s*, Cleveland, Ohio. A.B. (U. of Kansas) '06; A.M. (*ibid.*) '07; Ph.D. '10. Mathematics.

Roe, Mabel Lewis, *s*, Chicago. A.B. (Vassar C.) '03; S.M. '14; Ph.D. '15. Botany.

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Ruebhausen, Ella Elisabeth, *a, w, sp,* Chicago. S.B. (U. of Wisconsin) '93; Ph.D. '15. German.

Smith, Clayton Sidney, *s,* Chicago. S.B. (Rutgers C.) '09; S.M. (*ibid.*) '12; Ph.D. (Columbia C.) '13. Physiology.

Smith, Lucy Wright, *s,* Malden, Mass. A.B. (Mount Holyoke C.) '09; A.M. (Cornell U.) '11; Ph.D. (*ibid.*) '14. Zoölogy.

Stevens, David Harrison, *a, w,* Chicago. A.B. (Lawrence C.) '06; A.M. (*ibid.*) '10; A.M. (Harvard U.) '12; Ph.D. '14. English.

Stevenson, Louisa Stone, *s,* Lowell, Mass. A.B. (Vassar C.) '01; Ph.D. (Cornell U.) '11. Chemistry.

Stewart, Alban, *s,* Madison, Wis. A.B. (U. of Kansas) '96; A.M. (*ibid.*) '97; Ph.D. (Harvard U.) '11. Botany.

Sutherland, Arthur Howard, *s,* New Haven, Conn. A.B. (Grand Island C.) '99; Ph.D. '09. Anatomy.

Textor, Lucy Elizabeth, *s,* Poughkeepsie, N.Y. Ph.B. (U. of Michigan) '94; A.M. (Leland Stanford Junior C.) '95; Ph.D. (Yale U.) '04. History.

Walker, Elda Rema, *s,* Lincoln, Neb. A.B. (Pacific U.) '01; A.M. (*ibid.*) '04; Ph.D. (U. of Nebraska) '07. Botany.

White, Florence Donnell, *s,* Poughkeepsie, N.Y. A.B. (Mount Holyoke C.) '03; Ph.D. (Bryn Mawr) '15. Romance.

Zabel, Hartie Emil, *s,* Deer Creek, Mich. A.B. (Wallace C.) '07; A.M. (U. of Minnesota) '13; Ph.D. '15. German.

Zimmerman, Marie, *s,* Chicago. A.B. (U. of Michigan) '02; Ph.D. '13. German.

MEN—29 WOMEN—21 TOTAL—50

II. STUDENTS ADMITTED TO CANDIDACY FOR HIGHER DEGREES

NOTE.—Students are admitted to candidacy for higher degrees by vote of the Faculty on approval of the thesis subject and fulfilment of other conditions under the regulations.

Where the name of the student appears in the list with the degree of Ph.D. indicated, it will be understood that the degree was conferred during the academic year.

Aldrich, Frank Richardson, *s,* Hiawatha, Kan. A.B. (Washburn C.) '04; A.M. '16. Education.

Alexander, Charles Ivan, *s,* Waco, Tex. S.B. (U. of Texas) '02; A.M. '16. Mathematics.

Allen, Edna Mabel, *s,* Amherst, Wis. S.B. '11; A.M. '14. History.

Alsup, Frank Elmer, *s,* Louisiana, Mo. A.B. (Missouri State Normal S.) '12; S.B. in Ed. (U. of Missouri) '13; A.M. '16. Education.

Anderson, Elam Jonathan, *a, w, sp,* Pine Bluff, Wyo. A.B. (Drake U.) '12. Education.

Anderson, Raymond Arthur, *s,* Joliet. Ph.B. '15. English.

Arlitt, Ada Hart, *w, sp,* New Orleans, La. A.B. (Tulane U.) '13; Ph.D. '17. Psychology, Anatomy.

Arnold, Homer Leon, *s, a, w, sp,* Flint, Mich. A.B. (Indiana U.) '15; A.M. '17. Education.

Aronberg, Lester, *a, w, sp,* Whiting, Ind. S.B. '14. Chemistry.

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Atwater, Richard Tupper, *a, w, sp,* Chicago. A.B. '10. Greek.

Ayres, Clarence Edwin, *s, a, w, sp,* Westfield, Mass. A.B. (Brown U.) '12; A.M. (*ibid.*) '14. Philosophy (fel.).

Ayres, Ira Hubert, *s,* Houston, Tex. A.B. (Southwestern U.) '11; S.M. '15. Chemistry.

Baer, Joseph Alva, *s,* Euclid, Ohio. Ph.B. (Hiram C.) '10. Education.

Bailey, William Arthur, *s,* Leavenworth, Kan. A.B. (Baker U.) '05. Education.

Baker, Edna Annie, *s,* Farley, Iowa. A.B. (Cornell C.) '01; A.M. (*ibid.*) '04. Latin.

Bakke, Arthur Lawrence, *s, a,* Ames, Iowa. S.B. (Iowa State C.) '09; S.M. (*ibid.*) '11. Botany.

Balduf, Emery Winfield, *s,* Northfield, Minn. Ph.B. (Heidelberg U.) '10; A.M. '13. German.

Banta, Josephine Davis, *a, w, sp,* Franklin, Ind. A.B. (Western C.) '16; A.M. '17. Latin.

Barnett, Grace Leone, *a, w, sp,* Rockford, A.B. (Rockford C.) '13. English.

Barnett, Israel Albert, *s, a, w, sp,* Chicago. S.B. '15; S.M. (*ibid.*) '16. Astronomy, Mathematics (fel.).

Baskett, William Denny, *s,* Liberty, Mo. A.B. (Central C.) '00; A.M. (*ibid.*) '01; Ph.D. '16. German.

Bass, Mary Etta, *s, sp,* Annapolis, Md. A.B. (Goucher C.) '06, Latin.

Beanblossom, Moody Lewis, *s,* Mauckport, Ind. A.B. (Indiana U.) '11; A.M. '16. Psychology.

Beck, Paul Henry, *s,* St. Louis, Mo. A.B. (Central Wesley C.) '12; A.M. '16. Education.

Beeley, Arthur Lawton, *a, w, sp,* Provo, Utah. A.B. (Brigham Young U.) '13. Education.

Beneke, Herman Henry, *s, a, w, sp,* West Alexandria, Ohio. A.B. (Miami U.) '09; A.M. '12. Sociology.

Bengtson, Ida Albertina, *s,* Harvard, Neb. A.B. (U. of Nebraska) '03; S.M. '13. Bacteriology.

Bergner, Elizabeth Anne, *s,* Chicago. S.B. '15; S.M. '16. Physics.

Bergstresser, Genevieve LeCron, *a, w, sp,* Cedar Rapids, Iowa. S.B. (Coe C.) '12. History.

Bevan, Arthur Charles, *a, w, sp,* Delaware, Ohio. S.B. (Ohio Wesleyan U.) '13. Geology.

Bickham, Martin Hays, *s, w,* Chicago. A.B. (U. of Pennsylvania) '08. Sociology.

Bierly, George Remy, *s,* Elizabeth, Ind. A.B. (Indiana U.) '15. Political Science.

Bishop, Mabel, *a, w, sp,* Rockford. A.B. (Wellesley C.) '05; A.M. (Smith C.) '08. Zoölogy.

Blackhurst, James Herbert, *w, sp,* Midland, Mich. Ph.B. in Ed. (U. of Chicago) '16. Education.

Blackwood, Osgood, *a, w, sp,* Flushing, Ohio. A.B. (Boston U.) '00. Physics (fel.).

Blankenship, Harry Alden, *s, a, w, sp,* Ironton, Ohio. A.B. (Marietta C.) '14. Political Economy (fel.).

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Blauch, Lloyd E., *a, w, sp,* Aurora, Ohio. A.B. (Goshen C.) '16; A.M. '17. Education.

Blomquist, Hugo Leander, *a, w, sp,* Kulm, N.D. S.B. '16. Botany.

Blossom, Mary Bates, *s,* Peoria. Ph.B. '09; A.M. (*ibid.*) '16. German.

Board, Willis Marvin, *s,* Chicago. A.B. (Vanderbilt U.) '02. Political Economy.

Bogard, Augustus, *s,* Shreveport, La. A.B. '08; A.M. '15. Mathematics.

Bowden, Josephine Horton, *s,* Mankato, Minn. B.L. (U. of Wisconsin) '00; A.M. '11. Education.

Bower, Albert Gordon, *w, sp,* Salt Lake City, Utah. A.B. (Leland Stanford Junior U.) '13; S.M. '14. Hygiene.

Braden, Ralph Harvey, *s,* Galion, Ohio. S.B. (Baldwin-Wallace C.) '12; S.M. '16. Chemistry.

Bramlett, Albert Lincoln, *a, w, sp,* Clyde, N.C. S.B. (Davidson C.) '11; A.M. '17. History.

Branom, Fred Kenneth, *s, a, w,* Waverly. Ed. B. (Illinois State Normal U.) '15; S.M. '16. Geography.

Bretz, Harry, *a, w, sp,* Chicago. A.B. (William Jewell C.) '04; A.B. '11; A.M. '17. Romance (fel.).

Bridge, Josiah, *a, w, sp,* Cincinnati, Ohio. A.B. (U. of Cincinnati) '13; S.M. '17. Geology (fel.).

Brown, Denton Jacobs, *s,* Chicago, A.B. (U. of Texas) '10; A.M. (*ibid.*) '12. Chemistry.

Brown, Elmer Bergun, *s,* Golden City, Mo. S.B. (U. of Missouri) '14; A.M. '16. Education.

Brown, Frank Emerson, *s, a, w,* Garnett, Kan. S.B. '13. Chemistry.

Brown, James Greenleaf, *s, w, sp,* Tucson, Ariz. S.B. '16; S.M. '17. Botany.

Brown, Ralph Lyman, *a, w, sp,* Cape Girardeau, Mo. A.B. (U. of Missouri) '13. Chemistry (fel.).

Browne, Squire Fred, *s,* Chicago. A.B. (Columbia U.) '01. Education.

Bruce, Edwin Morris, *s,* Terre Haute, Ind. A.B. (Indiana U.) '99; S.M. '16. Chemistry.

Bruder, Victor William, *s,* Columbus, Ohio. A.B. (U. of Minnesota) '11; A.M. '12. Sociology.

Buchanan, William Chester, *s, a, w, sp,* Augusta, Mich. A.B. (Kalamazoo C.) '14. Political Economy.

Buchholz, John Theodore, *s, a, w, sp,* Conway, Ark. S.B. (Iowa Wesleyan U.) '09; A.B. (State U. of Iowa) '09; S.M. '14. Botany (fel.).

Buchholz, Olive Tenie Peterson, *w, sp,* Conway, Ark. A.B. (Wellesley C.) '09. Botany.

Burroughs, Glenn Vernon, *a,* Ione, Ore. S.B. (Whitman C.) '09; A.M. '12; Ph.D. '16. History, Sociology.

Burton, Ernest Richmond, *s, a, w,* Oak Park. A.B. (U. of Michigan) '13. Sociology.

Buswell, Guy Thomas, *s,* York, Neb. A.B. (York C.) '13; A.M. '16. Education.

Buzzard, Robert Guy, *s, a, w, sp,* Summer. S.B. '16; S.M. '17. Geology.

Byrne, Lee, *s,* Mobile, Ala. A.B. (U. of Illinois) '98; A.M. '99. Latin.

Cabell, Elvira Daniel, *sp,* Chicago. Ph.B. '02; A.M. '17. English.

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Cadwell, Sidney Marsh, *s, a, w, sp,* Chicago. S.B. '14; Ph.D. '17. Chemistry, Physics.

Caldwell, George Thomas, *a, sp,* Columbus, Ohio. A.B. (Ohio State U.) '10; A.M. (*ibid.*) '13. Pathology.

Camburn, Bessie Marian, *s,* Chicago. A.B. (Hillsdale C.) '06. English.

Campbell, Edna Fay, *s, a,* Chicago. A.B. '02; S.M. '16. Geography

Carr, Edward Livingston, *s,* Ewing. A.B. (Ewing C.) '03. Education.

Carroll, Mollie Ray, *sp,* Chicago. Ph.B. '11; A.M. '15. Commerce and Administration.

Carter, Minnie Luella, *s,* Mansfield, Ohio. Ph.B. (Oberlin C.) '98; A.M. '16. German.

Cartledge, Groves Howard, *s,* Clinton, S.C. A.B. (Davidson C.) '11; A.M. (*ibid.*) '11; Ph.D. '16. Chemistry.

Cary, William Ernest, *s, a, w, sp,* Gansevoort, N.Y. S.B. (Earlham C.) '12.; Ph.D. '16. Bacteriology, Anatomy.

Cavanaugh, Robert Emmet, *s,* Salem, Ind. A.B. (Indiana U.) '08; A.M. '09. Education.

Chandler, Lucy Ingals, *a, w, sp,* Kenilworth. A.B. (Wellesley C.) '16; A.M. '17. English.

Chaney, Ralph Works, *a, w, sp,* Chicago. S.B. '12. Geology.

Cheng, Nai Wen, *a, w, sp,* Peking, China. A.B. (Amherst C.) '16; A.M. '17. Education.

Chiles, Creth, *sp,* Muncie, Ind. A.B. (DePauw U.) '08. English.

Christman, Clarence Huntley, *s, a, w, sp,* Crowley, La. A.B. (Louisiana State U.) '13; S.M. (*ibid.*) '14. Chemistry.

Church, Clarence Cecil, *s, a, sp,* Canton, N.Y. S.B. (St. Lawrence U.) '14; A.M. '17. Sociology.

Clark, George Lindenberg, *a, w, sp,* Anderson, Ind. A.B. (DePauw U.) '14; S.M. '14. Chemistry (fel.).

Clark, John Virgil, *s,* Dundee. Ph.B. '14. Education.

Clarke, Elbert Howard, *s, a, w, sp,* La Fayette, Ind. A.B. (Butler C.) '09. Mathematics.

Clarke, Ira Doup, *s,* Edinburg, Ind. A.B. (Butler C.) '12. Chemistry.

Clayberg, Harold Dudley, *s,* Oak Park. A.B. (U. of Illinois) '13; S.M. '14. Botany.

Clayton, Beverly Paul, *s,* Conway, Ark. A.B. (Hendrix C.) '14; A.M. '15. History.

Clayton, Edward Eastman, *a, w, sp,* Chicago. S.B. (Ohio State U.) '16. Botany.

Cline, Erwin Curtis, *s,* Delaware, Ohio. A.B. (Ohio Wesleyan U.) '07; A.M. '16. Latin.

Cohn, Edwin Joseph, *s, sp,* New York, N.Y. S.B. '14; S.M. '17. Zoölogy.

Colby, Charles Carlyle, *a, w, sp,* Nashville, Tenn. S.B. '09; Ph.D. '17. Geography, Geology.

Coleman, Mary Boggs Gude, *s, sp,* Chicago. Ph.B. '09; Ph.M. '10. History.

Conley, Carey Herbert, *s,* Middletown, Conn. A.B. (U. of Michigan) '02; A.M. '12. English.

Coon, Raymond Huntington, *s,* Grand Island, Neb. A.B. (Oxford U.) '07; L.M. (*ibid.*) '10; Ph.D. '16. Latin.

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Cordell, Harry William, *a, w, sp,* Gurnee. Ph.B. (Hiram C.) '08; A.M. '15. Political Economy.

Cornelius, Roberta Douglas, *s,* Russellville Ky. A.B. (Randolph-Macon C.) '09; A.M. '16. English.

Coulter, Merle Crowe, *s, a, w, sp,* Chicago. S.B. '14. Botany.

Counts, George Sylvester, *s,* Newark, Del. A.B. (Baker U.) '11; Ph.D. '16. Education.

Cowles, LeRoy Eugene, *s,* Salt Lake City, Utah. Ph.B. '10; A.M. '13. Education.

Crane, Esther, *a, w, sp,* Kenton, Ohio. A.B. (Smith C.) '10; A.M. (*ibid.*) '14; A.M. (Oberlin C.) '13; Ph.D. '17. Philosophy (fel.).

Cresse, George Hoffman, *s, a, w, sp,* South Dennis, N.J. A.B. (Princeton U.) '06; A.M. (*ibid.*) '07; A.M. (Harvard U.) '11. Mathematics.

Cribbs, George Arthur, *s,* Grove City, Pa. A.B. (Grove City C.) '13; A.M. (*ibid.*) '11; A.M. '15. History.

Cribbs, James Elias, *s,* Grove City, Pa. A.B. (Grove City C.) '14; S.M. '16. Botany.

Crosby, Blanche Veness, *s, a, w, sp,* Marion, Ind. A.B. (U. of Michigan) '09. German.

Crum, Lena May, *s, a, w, sp,* Clinton. Ph.B. in Ed. '16; A.M. '17. Household Administration.

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McClintock, Euphemia E., *s*, *w*, Boston, Mass. A.B. (Goucher C.) '93; A.M. '17. Sociology.

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McClure, John, *s*, Spottswood, Va. A.B. (Washington and Lee U.) '03; S.M. '16. Chemistry.

McClure, Ray R., *a*, *w*, *sp*, Sterling, Kan. A.B. (Cooper C.) '16. Chemistry.

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McCoy, Lulu, *sp*, Chicago. Ph.B. '05. Home Economics.

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McFayden, Donald, *s*, Boulder, Colo. A.B. (U. of Toronto) '96; A.M. (Harvard U.) '01; Ph.D. '16. History, Church History.

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MacLatchy, Josephine Harriet, *s*, *w*, Moncton, N.B. A.B. (Acadia C.) '09; A.M. (*ibid.*) '13; A.M. '15. Education.

McLaughlin, Frederick Adams, *a*, *w*, *sp*, Lee, Mass. S.B. (Massachusetts Agricultural C.) '11. Botany.

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McLaughlin, Laura Ida, *s,* Galesburg. A.B. (U. of Nebraska) '04. S.M. '16. Chemistry.

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McMillin, Harrison Crick, *s,* Arkansas City, Kan. A.B. (U. of Kansas) '13. S.B. in Ed. (*ibid.*) '13. A.N. '16. Education.

McNutt, Wade, *s,* Oconee. S.B. '11; S.M. '12. Botany.

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Miller, Hilda Beatrice, *a, w, sp,* Galion, Ohio. A.B. (Ohio State U.) '08. German.

Miller, Louallen Frederick, *a, w, sp,* Chicago. S.B. (U. of Michigan) '99; A.M. (*ibid.*) '00. Physics.

Miller, Roy Edmund. *s,* Spokane, Wash. S.B. (Oregon Agricultural C.) '15. S.M. '16. Botany.

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Moore, Wesley Adolphus, *s*, Montgomery, Ala. A.B. (Southern U.) '05. Mathematics.

Moore, William Edwin, *s*, Springfield, Tenn. A.B. (Bethel C.) '00; A.M. (Central C.) '11. Education.

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Perkins, Sue Scott, *s*, Joplin, Mo. S.B. in Ed. (U. of Missouri) '11; A.B. (*ibid.*) '13. Education.

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Porter, Albert Eugene, *s*, Brownwood, Tex. A.B. (Arkansas C.) '03. Latin.

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Pugh, Anna, *s*, Copan, Okla. A.B. (U. of Arkansas) '07; A.M. '16. English.

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Reilly, Caroline Lynch, *a, w, sp*, Chicago. Ph.B. in Ed. '16. Geography.

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Reubelt, Francis, *s*, Checotah, Okla. Ph.B. '07; A.M. '09. German.

Reynolds, Ellen Ann, *s*, Lexington, Ky. S.B. (U. of Kentucky) '95; S.M. (*ibid.*) '96. Education.

Rickard, Garrett Edward, *s*, Oakland City, Ind. A.B. (Indiana U.) '12; A.M. '16. Education.

Ricketts, Harry Wilbur, *s*, Carroll, Ohio. A.B. (Ohio Wesleyan U.) '10; A.M. '16. Latin.

Riemann, Rudolph Gustave, *a, w, sp*, Richmond, Mich. A.B. '16; A.M. '17. History.

Riggs, Lloyd Kendrick, *s, a, w, sp*, Chicago. S.B. (Leander Clark C.) '11; S.M. '16. Physiology.

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Roberts, Lathrop Emerson, *s, a, w, sp*, Towanda. S.B. '14. Chemistry (fel.).

Robertson, James Reid, *a, w, sp*, River Forest. A.B. (Beloit C.) '04; A.M. '06. Political Economy.

Rogers, Fred Terry, *s*, Henderson, Ky. A.B. (Baylor U.) '11; Ph.D. '16. Physiology, Anatomy.

Rogers, Samuel Greene Arnold, *w, sp*, Evanston. A.B. (Brown U.) '15; A.M. '17. English.

Roman, Irwin, *s*, St. Louis, Mo. A.B. (Washington U.) '13; A.M. '15. Mathematics (fel.).

Root, Charles Chamberlain, *a, w, sp*, Bismarck, N.D. A.B. (U. of Michigan) '09. Education.

Rose, Dean Humboldt, *a, w, sp*, Mountain Grove, Mo. A.B. (U. of Kansas) '04; A.M. (Washington U.) '05. Botany (fel.).

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Rouse, Charles Albert, *s*, *a*, *w*, Seven Mile Ford, Va. Ph.B. '10; A.M. 13. English.

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Ryan, John P., *s*, Grinnell, Iowa. A.B. (Cornell U.) '02; A.M. '15. English.

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Sletten, Joseph Nathaniel, *s, a,* Lake Mills, Iowa. A.B. (St. Olaf C.) '15; A.M. '16. Sociology.

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Sreenivasiengar, Bindiganavale Krishnaswamy, *a, w, sp,* Bangalore, India. A.B. (U. of Madras) '00; A.M. (*ibid.*) '04; S.M. '17. Astronomy.

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Steck, Charles Calvin, *s*, Naperville. A.B. (Wheaton C.) '06; S.M. '11. Mathematics.

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Stevens, Mary Corinne, *s, a*, Stevensdale, La. Ph.B. '09; A.M. '16. Latin.

Stewart, Mary Ava, *s*, Brenton, Ala. A.B. (Randolph-Macon Woman's C.) '14; A.M. '16. Romance.

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Suffa, Mary Clegg, *a, w, sp*, Providence, R.I. A.B. (Brown U.) '10; A.M. (*ibid.*) '15. Mathematics.

Sutherland, George Fred, *s, a, w, sp*, Grand Island, Neb. A.B. (U. of Illinois) '13; A.M. (*ibid.*) '14. Physiology.

Swanson, Adolph Martin, *s*, Escanaba, Mich. A.B. (Augustana C.) '12; S.M. '17. Physiology.

Taft, Clara Enola, *a, w*, Kennett Square, Pa. A.B. (Wellesley C.) '15. Bacteriology.

Tarr, William A., *a*, Columbia, Mo. S.B. (Oklahoma Agricultural and Mechanical C.) '04; S.B. (U. of Arizona) '08; Ph.D. '16. Geology.

Tartar, Herman Vance, *s, a, w, sp*, Corvallis, Ore. S.B. (Oregon Agricultural C.) '02. Chemistry (fel.).

Taurog, Ethel Gitte, *a*, Chicago. Ph.B. '15. German.

Taylor, Aravilla Meek, *s, a, w, sp*, Centerville, Iowa. S.B. in Ed. '15; S.M. '16. Botany.

Teder, Joseph Edward, *s*, Ellsworth, Ind. Ph.B. '14. Education.

Thacher, William Reynolds, *a, w, sp*, Morgantown, W.Va. A.B. (West Virginia U.) '11; A.M. '16. History.

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Thompson, Thomas Mahlon, *s, a, w, sp*, Orient, Ohio. A.B. (Ohio State U.) '12; A.M. '17. Philosophy.

Thrall, William Flint, *s*, Lebanon. A.B. (McKendree C.) '01; A.M. (*ibid.*) '02; A.M. '15. English.

Thurstone, Louis Leon, *s*, Jamestown, N.Y. M.E. (Cornell U.) '12. Psychology.

Tingelstad, Oscar Adolf, *s*, Decorah, Iowa. A.B. (Luther C.) '05; A.M. '13. Education.

Todd, Charles Otto, *s*, Anderson, Ind. A.B. (Indiana U.) '11; A.M. '16. Education.

Tombaugh, Jesse Lawrence, *a, w, sp*, Roann, Ind. A.B. (Indiana U.) '15. Education.

Trimble, Harry Clyde, *s, a, w*, Mount Auburn, Iowa. A.B. (Cornell C.) '10; S.M. '16. Chemistry.

Tschan, Joseph Francis, *a*, New Haven, Conn. A.B. (St. Ignatius C.) '01; A.M. (*ibid.*) '04; Ph.D. '16. History, Church History.

Tumpowsky, Isidor Harrison, *s, sp*, Chicago. S.B. '14; S.M. '17. Physiology.

Turner, John Sidney, *s, a, w, sp*, Liverpool, England. A.B. (Cambridge U.) '06; A.M. '16. Mathematics (fel.).

Turner, William DeGarmo, *s, a, w, sp*, Chicago. S.B. '09. Chemistry.

Tweedie, Earl Richard, *a, w, sp*, Crosswell, Mich. A.B. (Albion C.) '15; S.M. '17. Chemistry.

Vance, Thomas Lovelace, *s*, Hamilton, Tex. A.B. (Baylor U.) '09. Education.

Vanzee, George Wallace, *s*, Pella, Iowa. S.B. (Central C.) '15. Zoölogy.

Victorson, Ruth Marie, *a, w, sp*, Chicago. S.B. '16; S.M. '17. Bacteriology.

Walker, Ernest Gosser, *s*, Bowling Green, Ohio. A.B. (Indiana U.) '01; A.M. '16. Education.

Walker, Margaret Anne, *a, w, sp*, Chicago. Ph.B. '15. Romance.

Wang, Chi Che, *s, a, w, sp*, Soochow, China. A.B. (Wellesley C.) '14; S.M. '15. Chemistry.

Waterman, Warren Gookin, *s, a, w, sp*, Galesburg. A.B. (Yale U.) '92; A.M. (*ibid.*) '07. Botany (fel.).

Watt, Bessie, *w, sp*, University Place, Neb. Ph.B. (Baker U.) '02. Education.

Wattenbarger, Eunice, *a, w, sp*, Milan, Mo. Ph.B. '16; A.M. '17. History (fel.).

Watts, Charles Edward, *s, a, sp*, Juliaetta, Idaho. S.B. (U. of Idaho) '13. Physiology (fel.).

Watts, Clyde Franklin, *w, sp*, Wilmore, Ky. S.B. '14; S.M. '15. Anatomy.

Webb, Louie Winfield, *s*, Texarkana, Ark. A.B. (Ouachita C.) '06; A.M. '13; Ph.D. '16. Psychology, Education.

Webber, Walter Owen, *s*, Chicago. A.B. (Defiance C.) '04; A.M. '08. History.

Wells, Bertram Whittier, *a, w, sp*, Toledo, Ohio. A.B. (Ohio State U.) '11; A.M. (*ibid.*) '16; Ph.D. '17. Botany, Zoölogy.

Weniger, Wanda, *s, a, w, sp*, Milwaukee, Wis. S.B. (Oregon Agricultural C.) '15; S.M. (U. of Wisconsin) '16. Botany (fel.).

Wheat, Harry Grove, *s, a, w, sp*, Davis, W.Va. A.B. (U. of West Virginia) '12; A.M. '17. Education.

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White, Ernest Harl, *s*, Comer, Ky. A.B. (Clark C.) '11; S.M. '15. Physiology.
White, Laura Amanda, *s*, *sp*, Webster City, Iowa. A.B. (U. of Nebraska) '04; A.M. (*ibid.*) '12; Ph.D. '17. History, Political Science.
White, Thomas Marshall, *a*, *w*, *sp*, Somonauk. A.B. (Monmouth C.) '16. Political Economy.
Whitnah, Carrell Henry, *s*, *a*, *w*, Grand Island, Neb. A.B. (U. of Nebraska) '13; S.M. '17. Chemistry.
Whittlesey, Derwent Stainthrope, *a*, *w*, *sp*, Rockford. Ph.B. '13; A.M. (*ibid.*) '15. History (fel.).
Wickham, Evelyn Wornham, *s*, *a*, *w*, *sp*, Poughkeepsie, N.Y. A.B. (Vassar C.) '16. Astronomy.
Wiggins, Thomas Elbert, *s*, Taylorville. A.B. (Eureka C.) '13; A.M. '16. English.
Wilbur, Grace Broadwell, *s*, Rockford. A.B. (Mount Holyoke C.) '07. English.
Wilkins, Olive Agnes, *s*, *a*, *w*, *sp*, Rochester, N.Y. A.B. (McMaster U.) '12. English.
Williams, Claude Lionel, *s*, Pineville, La. A.B. (Georgetown C.) '07; A.M. '16. English.
Williams, George Byron, *s*, Harvey. S.B. (Denison U.) '11. Education.
Williams, Leister Earl, *s*, Montgomery, Ala. S.B. '13. Mathematics.
Willing, Matthew, *s*, Chicago. A.B. (Hamline U.) '06; A.M. '16. Education.
Wilson, Stanley Davis, *s*, Belfort, Me. A.B. (Wesleyan U.) '09; A.M. (*ibid.*) '10; Ph.D. '16. Chemistry.
Wiltbank, Rutledge Thornton, *s*, *a*, *w*, *sp*, Philadelphia, Pa. Ph.B. (Bucknell U.) '98; Ph.D., '17; Psychology, Philosophy (fel.).
Winston, Alice, *s*, Lawrence, Kan. A.B. '98; A.M. '03. English.
Winter, Calvert Johnson, *a*, *w*, *sp*, Lawrence, Kan. Ph.B. (Hiram C.) '05. Romance (fel.).
Witmer, John Earl, *s*, Maywood. Ph.B. (Grinnell C.) '94. Education.
Wollman, Marie Susanna, *w*, *sp*, Freeman, S.D. A.B. (Bethel C.) '16. German.
Wong, San Yin, *a*, *w*, *sp*, Canton, China. S.B. '16; S.M. '17. Chemistry.
Woodbury, Mary Emma, *a*, *w*, *sp*, Louisville, Ky. Ph.B. '07; A.M. '12. English.
Woodhouse, Edward James, *s*, London Bridge, Va. A.B. (Randolph-Macon U.) '03; LL.B. (U. of Virginia) '07. Political Economy.
Woodring, Warner F., *a*, *w*, *sp*, Angola, Ind. S.B. (Tri-State C.) '13; A.B. (*ibid.*) '14. History.
Wylie, Lloyd Ritchie, *s*, *a*, *w*, *sp*, Marissa. A.B. (Park C.) '14. Mathematics.
Yanney, Benjamin Franklin, *s*, Wooster, Ohio. A.B. (Mount Union C.) '85; A.M. (*ibid.*) '88. Mathematics.
Young, James Reed, *s*, Deerfield, Ohio. A.B. (Leland Stanford Junior U.) '09; A.M. (*ibid.*) '10; Ph.D. '16. Education.
Young, Walter Albert, *s*, Wellsford, Kan. A.B. (Haverford C.) '06; A.M. '12. History.
Zampieri, Pietro Silvio, *s*, *a*, *w*, *sp*, Chicago. (Michael Angelo Buonorotti C.), Florence, Italy (U. of Montaibon, France); (U. of Lausanne, Switzerland); (Mathematical C., Rome). A.M. '15. Romance.
Zimmerman, Percy White, *s*, Chicago. S.B. in Ed. '15; S.M. '16. Botany.

MEN—382 WOMEN—180 TOTAL—562

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III. STUDENTS NOT YET ADMITTED TO CANDIDACY FOR HIGHER DEGREES

NOTE.—Students are admitted to candidacy for higher degrees by vote of the Faculty on approval of the thesis subject and fulfilment of other conditions under the regulations.

Abernathy, Lewis Grover, *s*, Chillicothe, Mo. S.B. (Central C.) '12; S.M. (*ibid.*) '13. Chemistry.

Abernathy, Thomas Marietta, *s*, Pulaski, Tenn. A.B. (Peabody Normal C.) '04; A.M. (Columbia U.) '07. Romance.

Aborn, Marjorie, *s*, Cleveland, Ohio. A.B. (Oberlin C.) '14. History.

Abramovitch, William Morris, *sp*, Chicago. Ph.B. '14. Physiology.

Acker, Lulu Josephine, *s*, Fayette, Ohio. A.B. (Oberlin C.) '11. English.

Adams, Amy Elizabeth, *s*, Stroudsburg, Pa. A.B. (Mount Holyoke C.) '14. Zoölogy.

Adams, Randolph Greenfield, *a*, *w*, *sp*, Philadelphia, Pa. A.B. (U. of Pennsylvania) '14. History (fel.).

Akeley, Edward Stowe, *a*, *w*, *sp*, Vermilion, S.D. A.B. (U. of South Dakota) '15. Physics (fel.).

Albert, Orrin Wilson, *s*, *a*, *w*, *sp*, Mount Pleasant, Pa. A.B. (Otterbein U.) '09; A.M. (Columbia U.) '11. Mathematics.

Aldinger, Frederick Charles, *s*, Lansing, Mich. A.B. (Yale U.) '04; A.M. (*ibid.*) '05; D.B. '07. Philosophy.

Aldray, Esther Victoria, *s*, Boise, Idaho. Ph.B. '14. Household Art.

Aldred, Meredith Conrad, *s*, Lapel, Ind. A.B. (Indiana U.) '12. English.

Alexander, Edna Kantrovitz, *s*, Chicago. Ph.B. '15. Zoölogy.

Alexander, Elmo, *s*, Meridian, Tex. A.B. (Southwestern U.) '15. Education.

Alexander, Irma Elizabeth, *s*, Lake Geneva, Wis. A.B. (U. of Wisconsin) '15. Sociology.

Alexander, Ralph Samuel, *s*, *a*, *w*, Wooster, Ohio. Ph.B. (Wooster C.) '16. Political Science.

Allem, Edna Lou, *s*, San Antonio, Tex. A.B. (U. of Texas) '13. Education.

Allem, Florence N., *s*, San Antonio, Tex. A.B. (U. of Nebraska) '11. History.

Allen, Bernice, *w*, Chicago. S.B. '09; Ed.B. '09. Home Economics.

Allen, Edward Dudley, *a*, *w*, *sp*, Lo Lo, Mont. S.B. (U. of Montana) '15. Anatomy.

Allen, Elbert, *s*, Cloverdale, Ind. A.B. (Indiana State Normal) '15. Mathematics.

Allen, Isaac Walter, *s*, Salt Lake City, Utah. A.B. (U. of Utah) '15. Physiology.

Allen, Margaret Minerva, *s*, Chicago. S.B. (Denison U.) '15. Botany.

Allen, Marie Trimble, *s*, Rockford. A.B. (Indiana U.) '12. Mathematics.

Allen, Thaddeus Elmore, *s*, Paris. Ph.B. '15. English.

Allensworth, Charles Leslie, *s*, Galesburg. S.B. (Knox C.) '13. Physics.

Allensworth, Mary Weinberg, *sp*, Galesburg. A.B. (Knox C.) '16. English.

Altman, Clara Christine, *s*, Emporia, Kan. A.B. (Emporia C.) '12. German.

Altstetter, Michael Louis, *s*, Wauseon, Ohio. A.B. (Ohio State U.) '09. Education.

Ambrose, Grace Caroline, *s*, Chicago. Ph.B. '12. Education.

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Ames, Nora Dale, *s*, Baldwin City, Kan. L.B. (Baker U.) '04. English.
Andersen, Will Dan, *s*, Evansville, Ind. A.B. (Indiana State Normal) '13. Education.
Anderson, Anna Marie, *s*, Madison, Wis. A.B. (U. of Wisconsin) '13. Education.
Anderson, Charles Edward, *w, sp*, Chicago. S.B. (Coe C.) '10. Anatomy.
Anderson, Edward Andrew, *sp*, Valparaiso, Ind. A.B. (Valparaiso U.) '09; A.M. (*ibid.*) '13. English.
Anderson, Homer George, *s*, Linwood, N.Y. S.B. (U. of Rochester) '14. Physics.
Anderson, Hugo Eugene, *s*, Hancock, Mich. A.B. (Augustana C.) '08; A.M. (*ibid.*) '14. Physics.
Anderson, Jennie Matilda, *s*, Evanston. Ph.B. (Northwestern U.) '10; A.M. (*ibid.*) '10. History.
Anderson, Lillian, *a, w, sp*. Chicago. E.B. (Illinois State Normal U.) '16. English.
Anderson, Margaret, *a, w, sp*, Petersboro, Canada. A.B. (U. of Toronto) '15; A.M. (*ibid.*) '16. Romance (fel.).
Anderson, Mary, *s*, Macon. A.B. (U. of Illinois) '03; A.M. (*ibid.*) '04. Mathematics.
Andress, Grace Pahlman, *s*, Chicago. Ph.B. in Ed. '13. Psychology.
Andrews, Ada May, *s*, Elgin. A.B. (Beloit C.) '07. History.
Andrews, Ellis Erastus, *s*, Detroit, Mich. S.B. (Armour Inst. of Technology) '08. Philosophy.
Andrus, Maude, *s*, Winfield, Kan. A.B. (Southwestern C.) '07. English.
Ansley, Mabel Louise, *s*, Penn Yan, N.Y. A.B. (Elmira C.) '09. English.
Anthony, Pauline, *s*, La Fayette, Ind. S.B. (Purdue U.) '15. English.
Archer, Stephen Mills, *s*, Oak Hill, W.Va. S.B. '16. Mathematics.
Archibald, Mary Bowers, *s*, Dallas, Tex. A.B. (Baylor U.) '15. German.
Armacost, Beulah Mae, *s*, Delavan. Ph.B. '10. Education.
Armstrong, Margaret Elizabeth, *sp*, Des Moines, Iowa. S.B. (Drake U.) '07; M.D. (*ibid.*) '10. Pathology.
Arnason, Jon Skuta, *sp*, Winnipeg, Canada. A.B. (U. of Manitoba) '13. Bacteriology.
Arnett, Clarence Emmett, *s*, Franklin, Ind. A.B. (Franklin C.) '16. Political Economy.
Arnold, Grace, *a, w*, Terre Haute, Ind. Ph.B. '09. Education.
Arnold, Lloyd, *w, sp*, Fort Worth, Tex. A.B. (U. of Texas) '07. Chemistry.
Arthur, Elizabeth Carson, *s*, Joliet. A.B. (Beloit C.) '09. Latin.
Arthur, Harriet Louise, *s*, Dodgeville, Wis. A.B. (Lawrence C.) '07. Latin.
Ashbrook, Kathryn, *s*, Dallas, Tex. A.B. (Barnard C.) '15. Education.
Ashby, Winifred Mayer, *s*, Chicago. S.B. '03. Anatomy.
Ashley, Dwight Hale, *s*, Warsaw, Ind. S.B. (Purdue U.) '10. Education.
Ashley, Imo Agnes, *s*, Oaktown, Ind. A.B. (DePauw U.) '11. English.
Ashton, Lulu May, *s*, Reynoldsburg, Ohio. A.B. (Ohio Wesleyan U.) '04. English.
Attig, Chester Jacob, *s*, Naperville. Ph.B. (Northwestern C.) '08. History.
Ault, John Ora, *s*, Kingsbury, Ind. A.B. (Indiana U.) '10. Education.

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Ault, Otho Clifford, *s*, Ohio City, Ohio. A.B. (Defiance C.) '11. Political Economics.

Austin, Mary Glenn, *s*, Leesburg, Va. A.B. '14. Latin.

Ayres, Edith Abbie, *s*, Westfield, Mass. A.B. (Wellesley C.) '14; A.M. (*ibid.*) '16. Philosophy.

Babcock, Ray Edward, *s*, Galien, Mich. A.B. (Albion C.) '14. Education.

Bailey, Clarence Bernard, *s*, Greenwood, S.C. S.B. (Davidson C.) '14; A.M. (*ibid.*) '15. Chemistry.

Bailey, Maude Ada, *s*, Chicago. S.B. '06. Art.

Bain, Blanche Estelle, *s*, Martinsville, Ind. A.B. (Indiana U.) '11. English.

Bair, Clyde Roscoe, *s*, Portland, Ind. A.B. (Indiana U.) '14. Education.

Baird, James Claud, *s*, Chicago. A.B. (U. of Missouri) '03. Education.

Baird, Madeline Johnson, *s*, Columbus, Ohio. A.B. (Ohio State U.) '14. Chemistry.

Baird, Mary Brooks, *s*, Evanston. A.B. '96. Sociology.

Baker, Albert Ditson, *s*, Winnipeg, Canada. A.B. (Toronto U.) '01. German.

Baker, Carrie Ethel, *s*, Arnold Mills, R.I. A.B. (Brown U.) '09. English.

Baker, Earl Elias, *s*, Havelock, Neb. S.B. (U. of Nebraska) '15. Anatomy.

Baker, Fannie Anna, *s*, Fort Smith, Ark. B.L. (U. of Nebraska) '91; A.M. (*ibid.*) '97. Romance.

Baker, Phoebe Florence, *s*, Paris, Ontario, Canada. S.B. '16. English.

Baker, Viletta Ellen, *sp*, Winchester, Ind. A.B. (Indiana U.) '05. Latin.

Baldridge, Mary, *a*, *w*, *sp*, Joplin, Mo. A.B. (Illinois Woman's C.) '16. English.

Baldwin, John Sears, *a*, New York, N.Y. A.B. (Columbia U.) '16. Philosophy.

Baldwin, Nelle M., *s*, Greenfield, Ind. A.B. (Indiana U.) '08. Latin.

Baldwin, William Russel, *s*, *a*, *w*, Amboy, Ind. S.B. (Earlham C.) '16. Physics.

Ball, Mary Margaret, *a*, *w*, *sp*, Stuart, Iowa. A.B. (U. of Iowa) '10. History.

Ballock, Grace Frantz, *a*, *w*, *sp*, York, Pa. Ph.B. '16. Latin.

Bally, Helen, *a*, Chicago. Ph.B. '07. Geography.

Balph, Helen Rose, *s*, Wilkinsburg, Pa. A.B. (Vassar C.) '11. English.

Balz, Emil Harold Jacob, *s*, Columbus, Ohio. S.B. (Ohio State U.) '14; M.S. (*ibid.*) '16. Chemistry.

Bandman, Chester Gabriel, *s*, Birmingham, Ala. S.B. (U. of Pennsylvania) '07; LL.B. (U. of Alabama) '13. Education.

Bane, Geneva Mae, *s*, Pontiac. S.B. (U. of Illinois) '12. Household Administration.

Bane, Juliet Lita, *s*, Pontiac. S.B. (U. of Illinois) '12. Household Administration.

Bappert, Lillian, *s*, Peru, Ind. A.B. (Indiana U.) '99. English.

Barber, Ira Garnett, *a*, *w*, *sp*, Villa Nova, Ontario, Canada. A.B. (Queen's U.) '16. Physics.

Barclay, Thomas Swain, *a*, *w*, *sp*, St. Louis, Mo. A.B. (U. of Missouri) '15; A.M. (*ibid.*) '16. History.

Bardrick, Ada May, *a*, *w*, Indianola, Ind. A.B. (Simpson C.) '12. English.

Bare, Leslie Thompson, *a*, *w*, Cleveland, Ohio. A.B. (Ohio State U.) '14. Physics.

Barker, Garl Hale, *s*, Decatur. A.B. (Indiana State U.) '13. Geography.

Barnard, Arthur Fairchild, *s*, Chicago. A.B. (Beloit C.) '93. Greek.

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Barnes, Clarence Albert, *s, a, w, sp*, Albia, Iowa. A.B. (Monmouth C.) '14. Anatomy.

Barnes, Lannie Lumpkin, *s*, Montgomery, Ala. S.B. (U. of Alabama) '08. Mathematics.

Barnes, Mabel Bonnell, *a, w, sp*, Greencastle, Ind. Ph.B. (DePauw U.) '03. Political Economy.

Barnum, George Silk, *s*, Lockport, N.Y. A.B. (Cornell C.) '11; A.M. (U. of Minnesota) '16. Romance.

Barr, Ruth Catherine, *s*, Mankato, Minn. A.B. (U. of Minnesota) '14. English.

Barrett, Nellie Okla, *s*, Chicago. S.B. '16. Geology.

Bartlett, Adeline Courtney, *s*, Cedar Hill, Tenn. A.B. (Vanderbilt U.) '10; A.M. (*ibid.*) '10. English.

Bascom, Kellogg Finley, *a, w, sp*, Fargo, N.D. A.B. (Fargo C.) '16. Zoölogy.

Bashe, Edwin Joseph, *a, w, sp*, Burlington, Iowa. A.B. (State U. of Iowa) '15; A.M. (*ibid.*) '16. German.

Basinger, Matilda, *s*, Pandora, Ohio. A.B. (Western Reserve U.) '09. Botany.

Baskerville, Margaret Lewis, *s*, Mason, Tenn. A.B. (Randolph-Macon Woman's C.) '08. Botany.

Basmadjian, Yervant Hetoom, *w, sp*, Constantinople, Turkey. S.B. (Princeton U.) '16; A.B. (Anatolia C.) '10. Education.

Bassett, Orval Monroe, *a*, Granite, Okla. A.B. (U. of Oklahoma) '14. Chemistry.

Basterfield, Steward, *sp*, Saskatoon, Canada. S.B. (U. of London) '08. Chemistry.

Bates, Austin David, *a, w, sp*, Scottville, Mich. S.B. (Kalamazoo C.) '16. Anatomy.

Bates, Daniel Abel, *s*, Avoca, Quebec, Canada. A.B. (McMaster U.) '13. Botany.

Bates, Elinore Adelia, *s*, Marseilles. A.B. (Oberlin C.) '08. English.

Battin, Charles Thomas, *s*, Oberlin, Kan. A.B. (Ottawa U.) '13. Sociology.

Baumiller, George Nicholas, *s*, Nutwood, Ohio. A.B. (Ohio State U.) '16. Geology.

Beal, Beecher Blaine, *s*, Hibbing, Minn. A.B. (Upper Iowa U.) '07. Education.

Beals, William Martin, *s*, St. Louis, Mo. A.B. (U. of Oregon) '11. History.

Bearg, Ernest Elmer, *s*, Severance, Kan. A.B. (Washburn C.) '16. Education.

Beatty, Florence Margaret, *s*, Osborne, Kan. A.B. (Emporia C.) '05; A.M. (U. of Kansas) '12. Romance.

Beauchamp, Wilbur Lee, *s, sp*, Holton, Kan. S.B. (Kansas State C.) '13. Education.

Beaumont, Victor Ernest de, *s*, Toronto, Canada. A.B. (Columbia U.) '01; A.M. (*ibid.*) '04. Romance.

Beck, Theophilus Jacob, *s, a, w*, Beatrice, Neb. A.B. (Central Wesleyan C.) '14. Education.

Beckmann, John Henry, *s*, Kansas City, Mo. A.B. (U. of Nebraska) '95; A.M. (*ibid.*) '08. Education.

Bedell, Guy William, *s*, Wilmington. S.B. (Northwestern U.) '12. Education.

Bedford, Frances Elizabeth, *sp*, Billings, Mo. A.B. (U. of Missouri) '01; A.M. (*ibid.*) '04. Romance.

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Beeman, Norvil, *s*, Dallas, Tex. A.B. (Oberlin C.) '16. Chemistry.
Behre, Ellinor Helene, *s*, *a*, *w*, *sp*, New Orleans, La. A.B. (Radcliffe C.) '08. Zoölogy (fel.).
Bell, Margaret, *s*, *a*, *w*, *sp*, Chicago. S.B. '15. Physiology.
Bell, Robert Graham, *s*, *a*, Chicago. A.B. (Wabash C.) '08; S.B. '11. Chemistry.
Bellomy, Albert William, *a*, *w*, *sp*, Manhattan, Kan. S.B. (Kansas Agricultural C.) '14. Zoölogy (fel.).
Benner, Cecile Howe, *sp*, Chicago. A.B. (Indiana U.) '12. English.
Bennett, Holly Reed, *a*, *w*, *sp*, Chicago. S.B. '14. Geology (fel.).
Bennie, John Andrew, *w*, Chatham, Ontario, Canada. A.B. (Queen's U.) '15; A.M. (*ibid.*) '16. Mathematics.
Bennison, Adam Samuel, *s*, Salt Lake City, Utah. A.B. (U. of Utah) '08; A.M. (Columbia U.) '11. Education.
Benson, William Wardlow, *s*, Florence, Ala. A.B. (Southern U.) '90; A.M. (*ibid.*) '93. Mathematics.
Bere, May, *w*, *sp*, Winnipeg, Canada. A.B. (Manitoba U.) '15. German.
Berens, Helmut, *s*, *a*, Elmhurst. A.B. '06. German.
Berger, Charles Edward, *w*, Philadelphia, Pa. S.B. (Pennsylvania State C.) '16. Chemistry.
Berky, Herbert Weller, *s*, Clayton, Pa. A.B. (Princeton U.) '13. Chemistry.
Berolzheimer, Teresa Ruth, *s*, Chicago. S.B. (U. of Illinois) '08. Education.
Berry, Ernest Lee, *s*, Chicago. A.B. (Illinois C.) '13. Bacteriology.
Beyer, E. Alexander, *sp*, Atchison, Kan. A.B. (Midland C.) '16. German.
Bezdek, Hugo Frank, *s*, Eugene, Ore. S.B. '07. Physiology.
Bice, Hubert Emerson, *s*, Lima, Ohio. A.B. (Ohio State U.) '09; A.M. (*ibid.*) '13. Sociology.
Bicknell, Marguerite Elizabeth, *w*, Fort Wayne, Ind. A.B. (Smith C.) '16. Physics.
Bigbee, John Albert, *s*, Little Rock, Ark. S.B. (Drury C.) '08. Mathematics.
Bigger, William Richard, *s*, Riverside, Cal. A.B. (Monmouth C.) '15. Romance.
Biggs, Alfred De Bard, *s*, Greenup, Ky. A.B. (Maryville C.) '15. Chemistry.
Bihlmeier, Margaret Dorothea, *a*, *w*, Port Byron. A.B. (Monmouth C.) '11. German.
Biles, Jessie, *s*, Pender, Neb. A.B. (U. of Nebraska) '11. Household Art.
Billings, Marion LeRoy, *sp*, Mount Pleasant, Mich. A.B. (U. of Michigan) '09; A.M. (*ibid.*) '10. Education.
Bills, Beryl Vina Gilbert, *a*, *w*, Chicago. Ph.B. '13. Political Science.
Bird, Ethel, *w*, *sp*, Chicago. A.B. (Beloit C.) '05. Sociology.
Birk, Benjamin Joffee, *s*, Michigan City, Ind. S.B. (Indiana U.) '16. Pathology.
Birkner, Florence Marie, *s*, St. Louis, Mo. A.B. (Washington U.) '12. English.
Birr, William Edward, *s*, St. Louis, Mo. Ph.B. (Northwestern C.) '01; Ph.B. '13. History.
Bisbee, Edith Vermilye, *s*, Alanson, Mich. Ph.B. '13. Political Economy.
Bishop, Allie Emma, *s*, Zion City. S.B. (Michigan Agricultural C.) '15. Household Art.

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Bishop, Charles Edward, *s*, Baldwinville, Mass. B.S. (Dartmouth C.) '15. Education.

Bitner, Ralph Emerson, *s*, Center Hall, Pa. B.S. (Pennsylvania State C.) '14. Chemistry.

Bittner, Walton Simon, *s*, Bloomington, Ind. A.B. '09. Sociology.

Bixler, Roy, *s*, Canton, Mo. S.B. '16. Botany.

Bjorgo, Carl Walter, *s*, Red Wing, Minn. A.B. (Luther C.) '07. Anatomy.

Bjorkland, Alfred, *a*, Alta, Iowa. S.B. (Drake U.) '02; S.M. (*ibid.*) '03. Chemistry.

Black, Charles Ashton, *s*, Cameron, Okla. A.B. (Hendrix C.) '14. Chemistry.

Black, Clarence Jay, *s*, Danville, Ohio. S.B. (Kenyon C.) '13. Zoölogy.

Blackman, Clifford Lamain, *a*, *w*, *sp*, Marion, Ind. A.B. (Indiana State Normal) '15. Mathematics.

Blair, Cecil Clyde, *s*, Conway, Ark. A.B. (U. of Arkansas) '15. History.

Blair, Gilbert Bruce, *s*, Corvallis, Ore. A.B. (Tabor C.) '02; A.M. (Washburn C.) '04. Physics.

Blair, James William, *s*, Topeka, Kan. A.B. (Tabor C.) '00; A.M. (Washburn C.) '04; A.M. (U. of Kansas) '11. English.

Blair, Winfrey Dyer, *s*, San Antonio, Tex. A.B. (Southwestern U.) '13. Sociology.

Blaisdell, Paul Carrier, *a*, *w*, *sp*, Claremont, Cal. A.B. (Pomona C.) '16. Anatomy.

Blake, Cloude Azia, *s*, Urbana, Ohio. A.B. (Dension U.) '11. General Literature.

Blasingame, Wyatta Childs, *s*, Auburn, Ala. A.B. (U. of Tennessee) '99. Education.

Blatchford, John, *w*, *sp*, Oak Park. S.B. (Massachusetts Inst. of Technology) '13. Chemistry.

Blatter, Roger Isaac, *a*, *w*, *sp*, Albin, Neb. A.B. (Doane C.) '16. Commerce.

Blayney, Ivy, *s*, Monmouth. A.B. (Monmouth C.) '12. Education.

Blazier, Mabel Evalena, *s*, Chicago. A.B. (Indiana U.) '10. History.

Blincoe, Homer, *s*, Columbus, Kan. A.B. (U. of Kansas) '15; S.M. (*ibid.*) '16. Pathology.

Blocher, Eleanor, *s*, Wooster, Ohio. A.B. (U. of Wooster) '95; A.M. (*ibid.*) '07. English.

Blum, Nell, *s*, Lyndon, Kan. A.B. (U. of Oklahoma) '13. German.

Board, Claude Franklin, *s*, Colorado Springs, Colo. A.B. (Indiana U.) '07; LL.B. (U. of Oregon) '14. Political Science.

Bobbett, Sarah Annis, *a*, *w*, Chicago. Ph.B. '16. General Literature.

Bodenhafer, Edith Walker, *s*, Lawrence, Kan. A.B. (U. of Utah) '12; A.M. (U. of Kansas) '15. English.

Bodenhafer, Walter Blaine, *s*, Lawrence, Kan. A.B. (Indiana U.) '11; LL.B. (*ibid.*) '15; A.M. (U. of Kansas) '15. Sociology.

Boer, Josephine Marie de, *s*, *sp*, Chicago. S.B. (Columbia U.) '07. Romance.

Bogue, Mary Austin, *s*, Chicago. S.B. (U. of California) '13. Education.

Bohannon, William Everette, *s*, *a*, *w*, *sp*, Morgantown, Ky. A.B. (Indiana U.) '15; A.M. (*ibid.*) '16. Education.

Bond, Otto Ferdinand, *s*, Chicago. A.B. (Clark C.) '07; A.M. (Ohio State U.) '12. Romance.

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Bonnell, Daisy Frow, *s*, Lincoln, Neb. S.B. (U. of Nebraska) '99. Romance.
Booth, Nathaniel Ogden, *a*, Chicago. A.B. (U. of Missouri) '96; S.M. (Harvard U.) '16. Botany.
Bosch, Leon Cherest, *a*, *w*, Holland, Mich. A.B. (Hope C.) '15. Anatomy.
Bowden, Aberdeen Orlando, *s*, Huron, S.D. A.B. (Kentucky State U.) '08; A.M. (*ibid.*) '10; A.M. (Harvard U.) '12. Sociology.
Bowman, Charles Bronson, *s*, Naperville. D.B. (Drew Theological S.) '00; A.B. (Northwestern C.) '96; A.M. (*ibid.*) '00. Political Science.
Boyd, William Edington, *s*, Washington, D.C. Ph.B. '07. Botany.
Brackney, Alberta, *s*, Warrensburg, Mo. A.B. (U. of Kansas) '02. Education.
Bragg, Peter Newport, *s*, Chidester, Ark. A.B. (U. of Arkansas) '15. Mathematics.
Brahana, Henry Roy, *s*, Lowell, Vt. A.B. (Dartmouth C.) '16. Mathematics.
Bramwell, Enoch Ernest, *s*, Ephraim, Utah. A.B. (U. of Utah) '07; B.D. (Latter Day Saints U.) '08. Psychology.
Branch, Eva Hughes, *s*, Richmond, Va. A.B. (Trinity C.) '06; A.M. (*ibid.*) '07. English.
Branch, Rosa Virginia, *s*, Richmond, Va. A.B. (Trinity C.) '12. Geography.
Brandeberry, John Benjamin, *s*, Newton Falls, Ohio. S.B. (Mount Union C.) '13; A.M. (Ohio State U.) '15. Mathematics.
Brandt, Otto Emil, *s*, Beatrice, Neb. A.B. (Doane C.) '15. Education.
Branham, Lucy Gwynne, *s*, Baltimore, Md. A.B. (Washington C.) '11; A.M. (Johns Hopkins U.) '14. Political Economy.
Branner, George Casper, *w*, *sp*, Chicago. A.B. (Leland Stanford Junior U.) '15. Philosophy.
Brashares, William Creighton, *s*, Logan, Ohio. A.B. (Ohio Wesleyan U.) '01. Education.
Braunlin, Laura Maria, *a*, Portsmouth, Ohio. A.B. (Ohio State U.) '15. German.
Brawthen, Clara Marie, *a*, *w*, *sp*, Chicago. A.B. (Northwestern U.) '06. Political Economy.
Brenneman, Naomi, *a*, Goshen, Ind. A.B. (Oberlin C.) '15. English.
Bretnall, George Herbert, *s*, La Crosse, Wis. A.B. (Cornell C.) '96; A.M. (*ibid.*) '97. Botany.
Brewer, Hazel May, *s*, Wichita, Kan. A.B. (Friends' U.) '12. Philosophy.
Brewer, Theodore Hampton, *s*, Norman, Okla. A.B. (Vanderbilt U.) '96; A.M. (*ibid.*) '07. English.
Bricker, Mary, *s*, Utica, Ohio. A.B. (Oberlin C.) '12. English.
Brinton, Lee Verne, *s*, Clay City, Ind. A.B. (Indiana State Normal C.) '13. Mathematics.
Bristol, William Frank, *a*, *w*, Chicago. A.B. (Indiana U.) '14. Political Economy.
Broad, Ruby Hazel, *a*, *w*, *sp*, Chesterton, Ind. A.B. (Northwestern U.) '12. Education.
Brodbeck, Hazel, *s*, Chicago. S.B. '12. Botany.
Brogue, Arthur, *s*, Alva, Okla. D.B. (Iowa State Teachers' C.) '09; D.M. (*ibid.*) '11. Education.
Brokaw, Clara Bertha Spohn, *s*, Chicago. S.B. '09. Education.

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Bronson, Mary Elizabeth, *s*, *a*, *w*, Streator. A.B. (U. of Illinois) '06. Education.
Brooks, Arthur Edward, *s*, Schanon. A.B. (Johns Hopkins U.) '15. Mathematics.
Brooks, Ralph Jack, *s*, Wichita, Kan. A.B. (U. of Oklahoma) '16. Chemistry.
Broome, Amy Louisa, *s*, Grand Rapids, Mich. A.B. (U. of Michigan) '02. German.
Brotherton, Blanche Elisabeth Mae, *s*, Omaha, Neb. A.B. (Smith C.) '15. Latin.
Brown, Benjamin Franklin, *s*, Hazlehurst, Miss. L.B. (Georgetown C.) '09. Education.
Brown, Charles Allen, *s*, Birmingham, Ala. S.B. (Alabama Polytechnic Inst.) '92; C.E. (*ibid.*) '93. Education.
Brown, Duncan, *sp*, Belmont, Canada. A.B. (Queen's U.) '08; A.M. (*ibid.*) '12. Education.
Brown, Edward John Frederick, *s*, Chicago. A.M. (U. of Nebraska) '00. Romance.
Brown, Ella Moore, *s*, Arkport, N.Y. Ph.B. (Syracuse U.) '07. German.
Brown, Gregory Billups, *s*, Birmingham, Ala. A.B. (U. of Alabama) '14. Mathematics.
Brown, Hearty Earl, *a*, *w*, *sp*, East Lansing, Mich. A.B. (U. of Michigan) '09; A.M. (*ibid.*) '10. English.
Brown, Hubert Ellis, *s*, Brownsburg, Ind. A.B. (Indiana U.) '12. History.
Brown, Mabel Mary, *s*, Platteville, Wis. A.B. (U. of Wisconsin) '15; A.M. (*ibid.*) '16. Botany.
Brown, Russell Lowell, *s*, Greenville. S.B. (Ohio Wesleyan U.) '14. Chemistry.
Brown, Theodore Henry, *s*, Providence, R.I. A.B. (Yale U.) '10. Physics.
Brown, William Kilgore, *s*, Fort Worth, Tex. A.B. (U. of Michigan) '15. History.
Browning, Irving Robert, *s*, *a*, *w*, *sp*, Inn Mountain, Mich. S.B. (Michigan Agricultural C.) '12. Anatomy.
Brubaker, Chester Jonathan, *s*, Cincinnati, Ohio. A.B. (Miami U.) '09. Chemistry.
Bruce, Iva Elma, *s*, Rockwell, Iowa. S.B. (Cornell C.) '12. Zoölogy.
Brumback, Florence May, *s*, Colorado Springs, Colo. A.B. (Vassar C.) '09. Zoölogy.
Bryant, Anna Carolyn, *s*, Mansfield, Tex. A.B. (U. of Arkansas) '14. English.
Bryant, Burl, *s*, St. Joseph, Tex. A.B. (U. of Texas) '15. Education.
Buchanan, James William, *s*, Basil, Ohio. S.B. (Ohio U.) '13. Zoölogy.
Bucher, Ermane Gaylord, *s*, Pontiac. S.B. (U. of Illinois) '15. Education.
Buchholz, Laura Mullendore, *s*, Chicago. L.B. (Oberlin C.) '89. Education.
Bucholtz, Albert Michael, *s*, *a*, Kansas City, Kan. A.B. (Wabash C.) '14. Anatomy.
Bucklin, Nathaniel, *a*, Pratt, Kan. A.B. (Friends' U.) '16. Anatomy.
Buckner, Ellen, *s*, Iowa City, Iowa. S.B. (Baker U.) '90. History.
Bugbee, George Julian, *s*, Mobridge, S.D. A.B. (Indiana U.) '07. Education.
Bull, Ludlow Segiune, *a*, *w*, *sp*, New York, N.Y. A.B. (Yale U.) '07; LL.B. (Harvard U.) '10. Oriental Language and Literature.
Bullock, Lela May, *sp*, El Paso. A.B. (U. of Illinois) '09. Home Economics.
Bumann, Sigel Robert, *s*, Tahlequah, Okla. Ph.B. '16. Education.

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Bunger, Charles Simeon, *s*, Oxford, Ohio. A.B. (Miami U.) '09. Education.
Bunting, Elmer Newman, *s*, *a*, *w*, *sp*, Chicago. S.B. '15. Chemistry.
Burchfiel, Olive Parolee, *s*, Winfield, Kan. A.B. (Southwestern C.) '07. English.
Burcky, Frederic William, *s*, Chicago. S.B. '16. Physiology.
Burden, Katherine *s*, Washington, D.C. A.B. (George Washington U.) '14; S.M. (*ibid.*) '15. Education.
Burgeleit, Walter Henry, *s*, Springfield. (Royal Technical Inst.) '13. Chemistry.
Burget, George Emanuel, *s*, *a*, *w*, *sp*, Kempton, Ind. A.B. (Indiana State Normal S.) '14. Physiology.
Burkholder, Anetta Olivia, *s*, Alta, Canada. A.B. (Victoria U.) '91. Botany.
Burnell, Elizabeth Froyer, *s*, Des Moines, Iowa. A.B. (Lake Erie C.) '08. Mathematics.
Burnham, Josephine May, *s*, Lawrence, Kan. Ph.B. '01. English.
Burns, Harry Garfield, *s*, Pocatello, Idaho. S.B. (Kalamazoo C.) '06; S.B. '06. Education.
Burt, Frederic Arthur, *s*, East Lansing, Mich. S.B. (Colgate U.) '08. Geology.
Butcher, Buford Henry, *s*, Canton. A.B. (Hanover C.) '14. Physics.
Butin, James Abram, *a*, *w*, *sp*, Fredonia, Kan. A.B. (U. of Kansas) '16. Anatomy.
Butler, Craig Dunn, *s*, Aledo. S.B. (Earlham C.) '14. Physiology.
Butterfield, Helen, *s*, Jackson, Mich. A.B. (Olivet C.) '14. English.
Byrns, Arthur Grover, *s*, Wheeling, W.Va. S.B. (Purdue U.) '98. Romance.
Cady, Lawrence Hammond, *s*, Minneapolis, Minn. A.B. (U. of Minnesota) '14. Zoölogy.
Cain, Florence Ellen, *s*, Sioux City, Iowa. A.B. (Morningside C.) '14. English.
Cain, Noble William, *a*, *w*, *sp*, Wichita, Kan. A.B. (Friends' U.) '16. German.
Caine, Mary Anne, *s*, Newkirk, Okla. A.B. (Illinois Wesleyan U.) '13. English.
Caldwell, Elfreda Marie Larson, *sp*, Chicago. S.B. '07. Chemistry.
Calhoun, Amy Lola, *s*, Hamilton, Tex. A.B. (U. of Texas) '15. Education.
Callander, Russell John, *s*, Delaware, Ohio. S.B. '15. Physiology.
Callihan, Tressler William, *s*, Galesburg. A.B. (Knox) '10; A.M. (*ibid.*) '11. Education.
Campbell, Elmer Grant, *s*, Bryan, Tex. A.B. (Hiram C.) '15; S.M. (Purdue U.) '14. Botany.
Campbell, Eva Galbreath, *s*, Delaware, Ohio. A.B. (Ohio Wesleyan U.) '15. German.
Campbell, Fanchen Leota, *s*, Chicago. A.B. (Northwestern U.) '12. Latin.
Campbell, Florence Margaret, *s*, Bay City, Mich. A.B. (U. of Michigan) '10. Latin.
Canfield, Emily, *s*, Lake Park, Minn. Ph.B. '01. History of Art.
Canine, Ralph Julian, *s*, East Chicago, Ind. S.B. (Northwestern U.) '16. Physiology.
Canning, John Bennett, *sp*, Chicago. Ph.B. '13. Political Economy.
Cannon, Lee Edwin, *s*, Eureka. A.B. (Eureka C.) '06; A.M. (U. of Wisconsin) '09. German.
Cannon, Paul Roberts, *s*, *a*, *w*, Decatur. A.B. (James Millikin U.) '15. Bacteriology.

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Capek, Ladislaw V., *s*, Chicago. S.B. (U. of Illinois) '11. Zoölogy.
Carey, Elisabeth, *s*, Ypsilanti, Mich. A.B. (U. of Minnesota) '11; A.M. (*ibid.*) '13. English.
Carey, Joseph P., *s*, Mount Pleasant, Mich. S.B. '15. Geology.
Carlsen, Clarence Johannes, *s*, Minneapolis, Minn. A.B. (Augsburg C.) '15. English.
Carlson, Dora, *s*, Sioux City, Iowa. A.B. (Morningside C.) '15. History.
Carlson, Guy Edwin, *s*, Stromsburg, Neb. A.B. (Grand Island C.) '15. Chemistry.
Carlson, Mary Isabel, *s*, Princeton. A.B. (Northwestern U.) '13. German.
Carlstrom, Fred J., *a*, New Boston. A.B. (Coe C.) '15. Anatomy.
Carmack, James Abner, *s*, *a*, *w*, Cora, Mo. A.B. (U. of Missouri) '04; A.M. (*ibid.*) '09. Education.
Carmichael, Fitzhugh Lee, *s*, Goodwater, Ala. A.B. (U. of Alabama) '13. Mathematics.
Carnes, Helen Anna, *sp*, Chicago. Ph.B. '15. Political Economy.
Carothers, Willis Herbert, *s*, Emporia, Kan. A.B. (U. of Kansas) '06. Education.
Carpenter, Caroline Wooford, *s*, Knoxville, Tenn. A.B. (U. of Nashville) '04; A.M. (Vanderbilt U.) '05. German.
Carpenter, Laura Augusta, *s*, Muskegon, Mich. A.B. (U. of Michigan) '97. English.
Carr, Eugene Morrison, *s*, Albuquerque, N.M. A.B. (U. of Pennsylvania) '13. Zoölogy.
Carr, Merritt Virginia, *s*, Leavenworth, Kan. A.B. (U. of Kansas) '16. Home Economy.
Carroll, Charles Hardy, *a*, *w*, *sp*, Provo, Utah. A.B. (Brigham Young U.) '12. Bacteriology.
Carroll, George William, *s*, Memphis, Tenn. A.B. (U of Nashville) '08. Chemistry.
Carroll, John Murray, *s*, Lewiston, Me. A.B. (Bates C.) '09; A.M. (Harvard U.) '13. Political Economy.
Carson, George William, *a*, Baldwin, Kan. A.B. (Baker U.) '16. Sociology.
Carter, Arthur Budd, *s*, Columbia City, Ind. S.B. '16. Chemistry.
Carter, Edward Stanford, *s*, Port Arthur, Tex. A.B. (U. of Texas) '11. Education.
Cary, Charles Aaron, *s*, *a*, *w*, *sp*, Chicago. S.B. '11. Physiology.
Cary, Eunice Kelsay, *w. sp*, Chicago. A.B. (Earlham C.) '14. Physiology.
Case, Irene, *a*, *w*, *sp*, Chicago. Ph.B. '16. Psycholgy.
Casey, Bruce Morson, *s*, *a*, *w*, *sp*, Clinton, Miss. A.B. (Mississippi C.) '10. Mathematics.
Casis, Lillia Mary, *s*, Austin, Tex. L.B. (U. of Texas) '95; A.M. (*ibid.*) '96. Romance.
Casler, Wilbur Lincoln, *s*, *w*, *sp*, Superior, Wis. E.B. (U. of Michigan) '12. Education.
Cason, Hulsey Beall, *s*, Locust Grove, Ga. A.B. (Mercer U.) '13. Physics.
Cassiday, Hugh, *s*, Richmond, Ky. A.B. (Central U.) '09; A.M. (*ibid.*) '10. Bacteriology.

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Castilla, Carlos Castelaso, *s*, Pullman, Wash. S.B. (U. of Illinois) '14. Romance.

Castle, Lucius Marsh, *s*, Alton. A.B. (Thurcliff C.) '76; A.M. (*ibid.*) '79. Political Science.

Castle, Mabel Wing, *sp*, Chicago. A.B. (Wellesley C.) '87. Education.

Castleman, Reginald Saxon, *a*, *w*, *sp*, Chicago. Ph.B. '14. History (fel.).

Cater, James Tate, *s*, Atlanta, Ga. A.B. (Harvard U.) '12.; A.M. (Atlanta U.) '14. Mathematics.

Cates, Samuel Clark, *s*, State College, Pa. S.B. (Colby C.) '12; M.S. (Pennsylvania State C.) '15. Physics.

Catlin, Lawrence J., *s*, Olathe, Kan. A.B. (Baker U.) '15. Physics.

Cavan, Jordan True, *s*, Cleveland, Ohio. A.B. (Western Reserve U.) '15. Education.

Cavanaugh, Laura Francesca, *s*, *a*, *w*, *sp*, Currie, Minn. S.B. (U. of Liverpool) '14. Mathematics.

Chadsey, Mildred, *s*, Cleveland, Ohio. Ph.B. '03. Political Economy.

Chaffee, Eleanor Harriet, *s*, Chicago. Ph.B. (Dension U.) '08. History.

Chaffee, Nelle Edith, *s*, Ottawa, Kan. Ph.B. (Baker U.) '02. English.

Chalfant, Hallie, *s*, Chicago. A.B. (U. of Minnesota) '12; A.M. (*ibid.*) '14. German.

Chalmers, Gertrude, *s*, *w*, *sp*, Chicago. Ph.B. '08. Education.

Chamberlain, Catherine Dormer, *sp*, Chicago. Ph.B. '17. English.

Chamberlain, Elizabèth Leland, *s*, *a*, *w*, Des Moines, Iowa. A.B. (Mount Holyoke C.) '14. Political Economy.

Chance, Clifford Willmot Douglas, *s*, Gambier, Ohio. S.B. (Ohio U.) '13. Zoölogy.

Chang, Wah Kai, *sp*, Honolulu, Hawaii. S.B. '16. Physiology.

Chapin, Catherine Lines, *s*, *a*, Pine Meadow, Conn. A.B. (Smith C.) '13; A.M. (*ibid.*) '15. Zoölogy.

Chapin, Elsa, *a*, *w*, *sp*, Santa Barbara, Cal. A.B. (Wellesley C.) '09. English.

Chatten, Carney Edward, *s*, Flora. A.B. (U. of Illinois) '16. Physics.

Cheu, Beihan H., *s*, Shanghai, China. S.B. (Cornell U.) '14; S.M. (U. of Wisconsin) '15. Political Economy.

Chew, Tobias Otterbein, *a*, *w*, Adrian, Mich. S.B. (Adrian C.) '08; S.M. (*ibid.*) '13. Education.

Child, Louis Napoleon, *s*, *a*, Chicago. S.B. '16. Mathematics.

Chiles, Jane McCurdy, *a*, *w*, Asheville, N.C. A.B. (Wellesley C.) '05. Commerce and Administration.

Chimene, Eugene Opet, *a*, Houston, Tex. S.B. '16. Bacteriology.

Choate, Helen Ashhurst, *a*, *w*, *sp*, Essex, Mass. A.B. (Smith C.) '04; A.M. (*ibid.*) '09. Botany.

Chorn, Sarah Marshall, *s*, Lexington, Ky. A.B. (Kentucky State C.) '03; A.M. (*ibid.*) '05. Romance.

Christensen, Henrietta Petrea, *s*, Chicago. S.B. '16. Botany.

Christensen, Herbert Harvey, *w*, Jamestown, Kan. A.B. (Ottawa U.) '14. Bacteriology.

Christiansen, Johanna, *a*, Chicago. A.B. (U. of Illinois) '06. English.

Church, Anna, *s*, Nebraska City, Neb. A.B. (U. of Nebraska) '00. English.

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Church, Frances, *s*, Des Moines, Iowa. Ph.B. (Iowa State U.) '94. Chemistry.
Clark, Edith Lugrace, *s*, Ottawa, Kan. A.B. (Ottawa U.) '16. English.
Clark, Grover Gulick, *a, w, sp*, Chicago. A.B. (Oberlin C.) '14. Philosophy.
Clark, Roxie, *s*, Conway, Ark. A.B. (Hendrix C.) '09. Chemistry.
Clark, Roy Benjamin, *s*, Chadron, Neb. A.B. (U. of Nebraska) '12. English.
Clark, William Nelson, *s*, Bellevue, Tex. A.B. (Texas Christian U.) '14. Chemistry.
Clark, Zelma Estelle, *w, sp*, Chicago. A.B. '97. Education.
Clarke, Alfred Henry, *s*, Chicago Heights. S.B. (Illinois Wesleyan U.) '13. Chemistry.
Clarke, Clarence Leon, *a, w, sp*, Chicago. Ph.B. (Alfred U.) '06. Education.
Clarke, Elton Russell, *s*, Indianapolis, Ind. A.B. (Butler C.) '15. Physiology.
Clarke, Ford Stillman, *s*, Alfred, N.Y. Ph.B. (Alfred U.) '10. Sociology.
Clarke, William Larson, *sp*, Provo, Utah. Ph.B. '17. English.
Clauser, Joseph Leander, *a, w, sp*, Elwood, Ind. A.B. (Indiana U.) '08; A.M. (*ibid.*) '08. Education.
Clay, Mabel Adeline, *s*, San Francisco, Cal. A.B. (U. of Colorado) '14. Sociology.
Clemens, George Washington, *sp*, Chicago. A.B. (Ohio Northern U.) '04. Education.
Clement, Nemours Honore, *s*, New Orleans, La. A.B. (Tulane U.) '11; A.M. (*ibid.*) '15. Romance.
Cleworth, Beulah Rose, *s*, Anderson, Ind. S.B. (Northwestern U.) '12. German.
Clifton, Eva M., *s*, Norman, Okla. A.B. (U. of Oklahoma) '12; A.M. (*ibid.*) '16. English.
Closson, Ruth, *s*, Logansport, Ind. S.B. '14. Education.
Cloyd, Emerson Franklin, *s*, Williamsburg, Ind. A.B. (Earlham C.) '15. History.
Clyde, Flora Harriet, *s*, Osage, Iowa. S.B. (Iowa State C.) '12. Home Economy.
Coates, Mary Weld, *s*, Cleveland, Ohio. A.B. (Oberlin C.) '12. English.
Cobb, Henry Elkana, *s*, Seymour, Ind. S.B. (Hanover C.) '11. Education.
Coburn, Nelson Francis, *s*, Lowell, Mass. A.B. (Harvard U.) '11; A.M. (*ibid.*) '12. Romance.
Cochran, Susan Eleanor, *s*, Belton, Tex. A.B. (Baylor C.) '14. Education.
Cofer, David Brooks, *s*, College Station, Tex. A.B. (Central U. of Kentucky) '07. English.
Coffin, Leroy Melville, *s*, Los Angeles, Cal. S.B. (U. of Maine) '03; A.M. (U. of Michigan) '13. Mathematics.
Coffman, Harold Coe, *a, w, sp*, Emporia, Kan. A.B. (U. of Kansas) '15. Sociology.
Cohen, Seymour Jerome, *sp*, Chicago. S.B. '17. Pathology.
Coleman, Frank *s*, Washington, D.C. S.B. (Howard U.) '13. Physics.
Coleman, Marvin Ethridge, *s*, Lineville, Ala. Ph.B. (Emory U.) '15. Political Economy.
Coleman, Ruth Robinson, *s*, Davenport, Iowa. A.B. (Wellesley C.) '15. Philosophy.
Coleman, Sarah Embry, *s*, News Ferry, Va. A.B. (Randolph-Macon Woman's C.) '10. Latin.

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Collier, Bertha Elsie, *a*, *w*, *sp*, Chicago. Ph.B. '15. Anatomy.
Collins, Russell Johnson, *s*, Cleveland, Ohio. A.B. (Western Reserve U.) '16. A.M. (*ibid.*) '16. Chemistry.
Colvin, Merle M., *s*, Flora, Ind. A.B. (Indiana U.) '14. Political Economy.
Colyer, Frank Hall, *s*, Carbondale. A.B. (Indiana U.) '96. Geology.
Coman, James Hilary, *s*, Canton, N.C. A.B. (Trinity C.) '16. Physics.
Compton, Queen Isabella, *s*, Chicago. Ph.B. in Ed. '16. Geography.
Compton, Ross, *s*, Nocona, Tex. S.B. (U. of Missouri) '09. Education.
Conley, Charles Clarence, *s*, Waubay, S.D. Ph.B. '15. Education.
Connelly, Marion, *a*, *w*, *sp*, Sewickley, Pa. A.B. (Lake Erie C.) '16. Mathematics.
Conrad, Ashley Taylor, *s*, Superior, Wis. S.B. (Northwestern U.) '01. Education.
Cook, Guy Wellington, *s*, Mitchell, S.D. S.B. (Dakota Wesleyan U.) '13. Education.
Cook, Hugh Oliver, *s*, Kansas City, Mo. A.B. (Cornell U.) '99. Education.
Cook, Robert Roy, *s*, Emporia, Kan. A.B. (U. of Kansas) '08. Education.
Cook, Vernon, *s*, *a*, *w*, *sp*, Kershaw, S.C. A.B. (U. of South Carolina) '07; A.M. (*ibid.*) '09. Greek (fel.).
Cooper, Esther Lieper, *s*, Winterset, Iowa. Ph.B (State U. of Iowa) '03. English.
Cooper, Ethel Florence, *s*, Washington. S.B. '16. Botany.
Cooper, Flora Evelyn, *s*, Council Bluffs, Iowa. A.B. (State U. of Iowa) '09. English.
Cope, Henry Ervin, *a*, *w*, *sp*, Chicago. S.B. '16. Bacteriology.
Cordrey, Everett Emmanuel, *s*, Conway, Ark. S.B. in Ed. '13. Chemistry.
Corl, Pearl May, *s*, Joplin, Mo. A.B. (U. of Missouri) '12. English.
Coryell, Horace Noble, *a*, *w*, *sp*, Tipton, Ind. A.B. (Indiana U.) '14; A.M. (*ibid.*) '15. Geology (fel.).
Cosby, Byron, *s*, Kirksville, Mo. A.B. (U. of Missouri) '04; S.B. in Ed. (*ibid.*) '06; A.M. in Ed. (*ibid.*) '10. Education.
Cotterill, Robert Spencer, *s*, Ewing, Ky. A.B. (Kentucky Wesleyan C.) '04; A.M. (U. of West Virginia) '07. History.
Cotts, Gerritt, *a*, *w*, *sp*, Hudsonville, Mich. S.B. (Michigan Agricultural C.) '14. Anatomy.
Coultas, Lois Miriam, *s*, Winchester. A.B. (Illinois State Normal C.) '13; A.M. (U. of Illinois) '14. German.
Cowdin, Mabel Palmer, *s*, Chapin. S.B. (Northwestern U.) '08. Psychology.
Cowgill, Grace, *s*, Wilmington, Ohio. A.B. (Ohio Wesleyan U.) '00; A.M. (*ibid.*) '09. German.
Cowper, Mary Octavine Thompson, *s*, Lawrence, Kan. L.B. (Drury C.) '04. Sociology.
Cox, Alta Ritter, *s*, Chicago. A.B. (Indiana U.) '99. English.
Craig, Eleanor, *a*, *w*, Rock Island. Ph.B. '06. English.
Craig, Ellen Collins, *s*, Springfield, Mo. A.B. (Drury C.) '03. Latin.
Craig, Harry Allen, *s*, Sault Ste. Marie, Mich. S.B. (Alma C.) '09. Education.
Craig, Roger Mills, *s*, Seymour, Ind. A.B. (Indiana U.) '14. Education.
Cramer, Ida Grace, *s*, Indianapolis, Ind. A.B. '06. English.

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Crandall, Clayton Archie, *s*, Lockport, Ind. A.B. (U. of Michigan) '08. Education.

Craven, Grace Lucile, *a*, *w*, *sp*, Erie, Kan. S.B. (Kansas State Agricultural C.) '14. Commerce and Administration.

Crewes, Frances, *s*, Normal. A.B. (Illinois Wesleyan U.) '09; E.D. (Teachers' C., Illinois State Normal U.) '14. Mathematics.

Cripe, Isaac, *s*, Gas City, Ind. A.B. (Indiana U.) '06. Education.

Crisman, Gladys, *s*, Cedar Falls, Iowa. A.B. (Iowa State Teachers' C.) '10. Latin.

Crisp, Ernest Rayner, *s*, Lebanon. A.B. (McKendree C.) '13. History.

Crockett, Helen May, *s*, Paulding, Ohio. A.B. (Oberlin C.) '13; A.M. (Defiance C.) '15. English.

Cromwell, John Wesley, *s*, Washington, D.C. A.B. (Dartmouth C.) '06.; A.M. (*ibid.*) '07. Mathematics.

Cronin, Katherine Lucile, *a*, *w*, Chicago. A.B. (U. of Wisconsin) '14. Philosophy.

Crooks, Toney Taylor, *a*, *w*, *sp*, Fredonia, Kan. A.B. (U. of Idaho) '09; A.B. (Oxford U., England) '13. Physiology.

Crosby, Marion Emma, *w*, *sp*, Hastings, Minn. Ph.B. '12. English.

Cross, Cecil Merne Putnam, *a*, *w*, *sp*, Providence, R.I. A.B. (Brown U.) '15. A.M. (*ibid.*) '15. History.

Cross, Denzill D., *s*, Hollis, Okla. A.B. (Baylor U.) '12. Chemistry.

Cross, Elizabeth Weathers, *sp*, Chicago. A.B. (Randolph-Macon Woman's C.) '13. Romance.

Cross, Howard Benjamin, *s*, Norman, Okla. A.B. (U. of Oklahoma) '14. Zoölogy.

Cross, William Thomas, *s*, Columbia, Mo. A.B. (U. of Missouri) '08; A.M. (*ibid.*) '09. Sociology.

Crout, Ray Durand, *s*, Blue Island. A.B. (Ohio State U.) '04; A.M. (*ibid.*) '05. History.

Crowe, Marguerite, *s*, Norfolk, Va. S.B. '09. Physics.

Cummings, Heber Bryce, *s*, Trenton, Tenn. A.B. (Valparaiso U.) '11; Ph.B. (*ibid.*) '12; A.B. (Yale U.) '13; A.M. (Harvard U.) '16. Psychology.

Cummings, Nephie Willard, *a*, Salt Lake City, Utah. A.B. (U. of Utah) '13. Physics.

Cummins, Louis Reynolds, *s*, St. Louis, Mo. A.B. '11. Latin.

Cunningham, Holly Estil, *a*, Lebanon, Ohio. Ph.B. (Lebanon U.) '09; A.B. (*ibid.*) '10. Philosophy.

Curtis, Caroline, *s*, Adrian, Mich. A.B. (Mount Holyoke C.) '06. Education.

Curtis, Florence Myrle, *s*, Columbus Junction, Iowa. A.B. (Iowa State Teachers' C.) '13. English.

Dabbs, Howard Burtnell, *a*, *w*, *sp*, Hillsboro, Tex. A.B. (Texas Christian U.) '10; A.M. (*ibid.*) '11. Chemistry.

Da Camara, Marian, *s*, West Palm Beach, Fla. A.B. (Smith C.) '15. Education.

Dahl, Louis Albert, *s*, South Haven, Mich. S.B. (Michigan Agricultural C.) '15. Mathematics.

Dahlstrom, August Henry, *a*, *w*, *sp*, Lincoln, Neb. A.B. (U. of Nebraska) '14; A.M. (*ibid.*) '16. German.

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Dailey, Dew, *s*, Fontanelle, Iowa. A.B. (Cornell C.) '13. English.
Dakin, Merrill, *s*, Chicago. Ph.B. '15. Education.
Dall, Elizabeth, *s*, Edinburgh, Scotland. LL.A. (St. Andrews U., Scotland) '13. Romance.
Dallas, Stella, *s*, Howard, Kan. A.B. (U. of Kansas) '10. Physics.
Danahay, Mary Katherine, *s*, Eureka. A.B. (Eureka C.) '12. English.
Daniel, James Walter Wright, *s*, Waco, Ga. A.B. (Wofford C.) '98; A.M. (Vanderbilt) '04. History.
Daniels, Pearl Margaret, *s*, Joliet. Ph.B. '11. Philosophy.
Dann, Editha Lewis, *s*, *a*, *w*, *sp*, Columbus, Ohio. A.B. (U. of Michigan) '07. History.
Darby, Arleigh Lee, *s*, Morgantown, W.Va. A.B. '06. History.
Dart, Helen Maretta, *s*, Oberlin, Ohio. A.B. (Oberlin C.) '12. Political Economy.
Davenport, Cora Lillian, *s*, McPherson, Kan. A.B. (Friends' U.) '13. History.
Davidson, Gwendolen Elizabeth, *a*, Chicago. A.B. (Smith C.) '16. English.
Davidson, Jessie Floy, *s*, Carthage. A.B. (Carthage C.) '11. English.
Davidson, William Paul, *s*, Georgetown, Tex. A.B. (Hendrix C.) '12. Psychology.
Davies, Beatrice Irene, *sp*, Chicago. Ph.B. '02. Physiology.
Davis, David Francis, *a*, *w*, Maywood. A.B. '09. Greek.
Davis, Edgar Howard, *s*, Kemmerer, Wyo. A.B. (U. of Wyoming) '14. English.
Davis, George Earl, *s*, Mishawaka, Ind. A.B. (Indiana U.) '14. Chemistry.
Davis, George William, *s*, Marshall, Mo. S.B. (Missouri Valley C.) '11. Chemistry.
Davis, Marguerite, *a*, *w*, *sp*, Madison, Wis. S.B. (U. of California) '10. Physiological Chemistry.
Davis, Thomas Russell, *a*, *w*, Chicago. A.B. (Howard U.) '14. Sociology.
Day, Anna Edith, *s*, Jacksonville. A.B. (Illinois C.) '07; A.M. (U. of Illinois) '08. Latin.
Dean, Charles Ross, *s*, Rensselaer, Ind. A.B. (Indiana U.) '10. History.
Dean, Ginevra, *s*, Cleburne, Tex. A.B. (U. of Texas) '14. Political Science.
Dean, Myrtle Daisy, *sp*, Oberlin, Ohio. S.B. (Iowa State C.) '12. Home Economics.
Deatherage, Charlaine, *s*, Paonia, Colo. A.B. (U. of Colorado) '13. Latin.
DeLagneau, Alice Blanche, *a*, Chicago. A.B. '02. Romance.
DeLagneau, Lea Rachel, *s*, Chicago. Ph.B. '11. Romance.
DeLaRue, Harry, *s*, Birmingham, Ala. A.B. (Ohio U.) '13. History.
Delcamp, Ernest Woodruff, *s*, Lexington, Ky. A.B. (Transylvania U.) '07. A.M. (*ibid.*) '09. Latin.
Dement, Nonie Eleanor, *a*, Chicago. Ph.B. '12. English.
Dement, Ruth Sheffield, *s*, *a*, *w*, Chicago. A.B. (Rockford C.) '07. English.
Deming, Janie Polk, *s*, Chicago. S.B. '10. Bacteriology.
Dennison, Josephine House, *s*, West Chester, Pa. A.B. (Swarthmore C.) '13. Physics.
Denton, Minna Caroline, *a*, *w*, *sp*, Oak Park. S.B. (U. of Michigan) '00; A.M. (*ibid.*) '01. Physiological Chemistry (fel.).
Derieux, John Bewley, *s*, Knoxville, Tenn. S.B. (U. of Tennessee) '08; A.M. (*ibid.*) '14. Physics.

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Devlin, John Albert, *s*, Fort Scott, Kan. A.B. (U. of Kansas) '02. Education.
Devlin, May M., *s*, Fort Scott, Kan. A.B. (U. of Kansas) '01. English.
DeVore, Madge, *s*, Millersburg, Ohio. A.B. (U. of Cincinnati) '12; A.M. (Ohio State U.) '14. Latin.
Dewey, Malcolm Howard, *a*, *w*, *sp*, Meadville, Pa. A.B. (Allegheny C.) '04; A.M. (Harvard U.) '11. German (fel.).
DeWitt, Lydia M. Adams, *a*, *w*, Chicago. M.D. (U. of Michigan) '98; S.B. (*ibid.*) '99; A.M. (*ibid.*) '13. Chemistry.
Diamond, William, *a*, *w*, *sp*, Winnipeg, Canada. A.B. (U. of Manitoba) '15. German.
Dixon, Gertrude Edgar, *a*, *w*, *sp*, Oskaloosa, Iowa. Ph.B. (Penn C.) '11. Botany.
Dixon, Henry Aldons, *s*, Provo, Utah. A.B. (Brigham Young U.) '14. Education.
Dixon, Martha Swezly, *s*, Eau Claire, Wis. A.B. (Beloit C.) '98; A.M. (*ibid.*) '04. English.
Dobbins, Anna, *s*, Ionia, Mich. Ph.B. in Ed. '16. Education.
Dobbs, Harrison Allen, *a*, *w*, Berkeley, Cal. A.B. (U. of California) '16. Anatomy.
Doherty, Charles, *s*, Chicago. A.B. (U. of Illinois) '15. English.
Dolliver, Garret Brown, *a*, Hot Springs, S.D. A.B. (U. of South Dakota) '14. Commerce and Administration.
Doty, Hiram Smoots, *s*, Emporia, Kan. S.B. (Iowa State C.) '12. Botany.
Doub, Harley Theodore, *w*, *sp*, Greenwood, Ind. A.B. (Franklin C.) '16. Chemistry.
Dougherty, Harry Richardson, *s*, Hudson, N.Y. A.B. (St. John's C.) '04. Political Economy.
Dougherty, Mary Lorette, *a*, *w*, *sp*, Chicago. Ph.B. in Ed. '16. Education.
Douglas, Beverly, *s*, Nashville, Tenn. L.B. (Princeton U.) '14. Physiology.
Douglas, Bruce Hutchinson, *w*, *sp*, Whittier, Cal. A.B. (Whittier C.) '15. Anatomy.
Doyle, James Harold, *s*, Huron, S.D. Ph.B. (U. of Wisconsin) '12. Greek.
Drake, Charles Baile, *s*, St. Louis, Mo. A.B. (U. of Missouri) '08; A.B. (*ibid.*) '09. Romance.
Drake, Nellie Boyd, *s*, Broken Bow, Neb. A.B. (Nebraska State U.) '11; A.M. (*ibid.*) '14. Education.
Dreitzler, Sara Bernita, *s*, Findlay, Ohio. A.B. (Oberlin C.) '08; A.M. (*ibid.*) '09. Philosophy.
Drew, Alberta Lizabeth, *s*, Joliet. A.B. (Northwestern U.) '12. Geography.
Drury, Agnes, *s*, Dayton, Ohio. A.B. (Otterbein C.) '14; A.M. (Ohio State U.) '16. Sociology.
Duiker, Henry, *a*, *w*, Grand Rapids, Mich. A.B. (Hope C.) '15. Anatomy.
Duncan, Marcus Homer, *s*, Marillo, Tex. A.B. (Baylor U.) '99; A.B. (Yale U.) '02. History.
Duncan, Ruth Claudia, *s*, Bedford, Ind. A.B. (Indiana U.) '10. Mathematics,
Dungan, Helen, *s*, Ottumwa, Iowa. A.B. (Oberlin C.) '11. Latin.
Dunham, Dows, *a*, Hudson, N.Y. A.B. (Harvard U.) '14. Oriental Language.
Dunn, Helen Louise, *s*, Cedar Rapids, Iowa. Ph.B. (Coe C.) '07. Latin.
Durboraw, Lena Clare, *s*, Chicago. A.B. (Indiana U.) '16. English.

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Durkee, Pearl Whitfield, *s*, Delaware, Ohio. A.B. (Acadia U.) '03; S.B. (McGill U.) '06. Physics.

Durkee, Sarah Payson, *s*, Waltham, Mass. A.B. (Acadia U.) '96; A.M. (*ibid.*) '97. English.

Dwen, James Harold, *s*, Chicago. S.B. '16. Geology.

Eagle, Marvin Edward, *s*, Burkes Garden, Va. A.B. (Kentucky Wesleyan C.) '12; A.M. (Vanderbilt U.) '13. History.

Earhart, Anna Maude, *a*, *w*, *sp*, Hopkinton, Iowa. S.B. (Lenox C.) '99. English.

Eastland, Isabel, *s*, Oklahoma City, Okla. S.B. (Baylor U.) '90. History.

Eastman, Wesley Edward, *s*, East Lansing, Mich. S.B. (New Hampshire C.) '13. Geology.

Eaton, Davida Harper, *s*, Chicago. A.B. '00. English.

Eberhart, Edward Albert, *s*, *w*, *sp*, Jefferson City, Mo. A.B. (Indiana U.) '07. A.M. (Harvard U.) '10. German (fel.).

Eby, Effie Eugenia, *s*, Somerville, Ohio. A.B. (Miami U.) '14. Education.

Eddie, Helen May, *s*, Marengo, Iowa. A.B. (U. of Iowa) '00; A.M. (*ibid.*) '03; German.

Edgerton, William Franklin, *s*, *a*, *w*, *sp*, Washington, D.C. A.B. (Cornell U.) '15. Oriental Language (fel.).

Edmand, Alpha Caroline, *s*, Pella, Iowa. A.B. (U. of Michigan) '01. English.

Edmonson, James Bartlett, *s*, Ann Arbor, Mich. A.B. (U. of Michigan) '06. Education.

Edwards, Joseph Corrington, *s*, Shelbyville, Ind. A.B. (Moore's Hill C.) '07; A.M. (Indiana U.) '12. Education.

Edwards, William Otto, *s*, Crawford, Tex. A.B. (Baylor U.) '14. History.

Eggleston, Harla Ray, *s*, Marietta, Ohio. S.B. (Hamilton C.) '12; A.M. (Harvard U.) '13. Zoölogy.

Ehler, Harvey Franklin, *s*, Eaton, Ohio. A.B. (Ohio State U.) '12. Education.

Eichenbaum, Bertha, *s*, Corning, Ohio. A.B. (Western Reserve U.) '14. Bacteriology.

Eickenberry, Dan Harrison, *s*, A.B. (Indiana U.) '11; A.M. (*ibid.*) '15. Sociology.

Eisman, Louise Henriette, *a*, *w*, *sp*, Chicago. Ph.B. '08. German.

Elcock, Helen Elizabeth, s, Conway Springs, Kan. A.B. (Emporia C.) '07. English.

Elder, Charles Morris, *s*, *w*, Albia, Iowa. S.B. (Penn C.) '08; B.P.E. (Y.M.C.A.C.) '11. Zoölogy.

Elder, James Clyde, *s*, *a*, *w*, *sp*, Tarkio, Mo. S.B. (Tarkio C.) '05. Physiology.

Eldridge, Charles Judson, *s*, *a*, *w*, *sp*, Topeka, Kan. S.B. '16. Physiology.

Elliott, Franc Roads, *s*, *a*, Chicago. S.B. (Iowa Wesleyan U.) '09. History of Art.

Elliott, Mary Stather, *s*, San Antonio, Tex. A.B. (U. of Texas) '15. Romance.

Ellis, Luther Edward, *s*, Hammond, Ind. A.B. (Wabash C.) '14. Chemistry.

Ellis, Lycurgus, *s*, Rosalia, Wash. S.B. (U. of Missouri) '11. History.

Ellis, Mary Elizabeth, *s*, Peoria. Ph.B. '13. Home Economics.

Ellis, Sadie Birdie, *s*, Pontiac. S.B. (Illinois Wesleyan U.) '14. Latin.

Ely, Effie Belle, *w*, *sp*, Great Bend, Kan. A.B. (Ohio Wesleyan U.) '13. Education.

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Ely, Jeannette Eleanor, *s*, Chicago. Ph.B. in Ed. '11. Botany.
Emerson, Fred Wilbert, *s*, Wichita, Kan. S.B. (Earlham C.) '13. Botany.
Engel, Louise DeCew, *w*, Chicago. S.B. '98. Geology.
Engelberg, Sadie Ethel, *s*, Richmond, Va. A.B. (Richmond C.) '12. History.
English, Oliver Atwood, *s*, Robinson. S.B. (Northwestern U.) '05. English.
Ennis, Charles Irwin, *s*, Atlanta, Ga. A.B. (Emory U.) '15. Chemistry.
Ensle, Eva Katherine, *s*, Evansville, Ind. A.B. (Indiana U.) '09. Physiology.
Epstein, Albert Kuba, *s*, Chicago. S.B. '12. Physiology.
Erickson, Elsie Jane, *a*, Chicago. Ph.B. '16. Psychology.
Erswell, Alma Berthold, *s*, *w*, Toledo, Ohio. A.B. (U. of Toledo) '14; A.M. (Oberlin C.) '14. English.
Eskey, Elizabeth, *s*, *a*, *w*, A.B. (Wellesley C.) '09. English.
Etnyre, Mabel, *sp*, Oregon. A.B. (Lake Forest C.) '11. English.
Evans, Bessie May, *s*, Vandalia, Mo. A.B. (U. of Missouri) '09. Latin.
Evans, Clytee Rebekah, *s*, Houston, Miss. S.B. (Industrial Inst. and C. of Mississippi) '11. Botany.
Evans, Genevieve Cecelia, *s*, Chicago. Ph.B. '15. General Literature.
Evans, Thomas Alexander, *s*, Westmoreland, Kan. A.B. (Baker U.) '15. Education.
Everett, Harry Scheidy, *s*, Lewisburg, Pa. A.B. (Bushnell U.) '12; A.M. (*ibid.*) '14. Mathematics.
Eymundson, Kristbjorn Sigurdur, *a*, *w*, *sp*, Pembina, N.D. A.B. (Gustavus Adolphus C.) '16. Anatomy.
Fales, Catharine Ray, *a*, Lake Forest. A.B. (Lake Forest U.) '99. English.
Falls, Laura, *s*, Dallas, Tex. S.B. (Columbia U.) '15. Sociology.
Farnsworth, Chester George, *a*, Wichita, Kan. A.B. (U. of Kansas) '12. Geology.
Farnsworth, Goldena, *a*, *w*, *sp*, Holden, Mo. S.B. in Ed. (U. of Missouri) '12. Physics.
Fasick, Harold Arthur, *a*, Carlisle, Pa. A.B. (DePauw U.) '16. Commerce and Administration.
Faughender, Milton Myers, *s*, Mayfield, Ky. Ph.B. in Ed. '11. Sociology.
Faust, Ernest Carroll, *s*, Champaign. A.B. (Oberlin C.) '12; A.M. (U. of Illinois) '14. Zoölogy.
Faust, Howard Harry, *s*, Chicago. A.B. (U. of Wisconsin) '05. Education.
Faust, Hugh Graham, *s*, Shawnee, Okla. A.B. (Tusculum C.) '06; A.B. (Carson and Newman C.) '14. History.
Fawcett, Clarence George, *s*, Mount Vernon, Ohio. S.B. (Hiram C.) '13. Chemistry.
Felsenthal, Emma, *s*, Urbana. Ph.B. '10. Philosophy.
Fenner, Ellen Aline, *s*, Marietta, Ohio. A.B. (Marietta C.) '12. Education.
Ferry, Lily Martin, *s*, Louisville, Ky. S.B. '10. Hygiene.
Fetter, Hannah, *s*, Chicago. Ph.B. in Ed. '15. History.
Ficklin, Willie Maude, *s*, Prairie Hill, Mo. A.B. (Missouri Valley C.) '15. Home Economics.
Ficks, Edna, *s*, Seattle, Wash. A.B. (U. of Washington) '10. History.
Filbey, Emery Thomas, *w*, *sp*, Chicago. Ph.B. in Ed. '16. Education.
Fine, Nathan, *s*, *a*, *w*, *sp*, Chicago Ph.B. '15. Political Economy.

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Finkbeiner, Thomas, *s*, Naperville. D.B. (Northwestern C.) '96; Ph.M. (*ibid.*) '04. German.
Finkelstine, Bell, *w*, *sp*, Chicago. S.B. '16. Physiology.
Finley, Ada Brownell, *s*, Woodstock. S.B. (Columbia U.) '14. Education.
Finley, Vita Ethel, *s*, A.B. (DePauw U.) '12. English.
Finney, Clarence Eddie McClenahan, *s*, Pittsburgh, Pa. S.B. (Westminster C.) '11. Anatomy.
Fischer, Laura Clara, *s*, Sioux City, Iowa. A.B. (Carleton C.) '99; A.M. (*ibid.*) '12. German.
Fjeldsted, Runolfur, *s*, Carthage. A.B. (U. of Manitoba) '05. Greek.
Fleck, Erwin Henry, *a*, *w*, Detroit, Mich. A.B. (U. of Michigan) '15; S.M. (*ibid.*) '16. Chemistry.
Flersheim, Elsie, *s*, Chicago. A.B. '13. Romance.
Flickinger, Margaret, *s*, Council Bluffs, Iowa. A.B. (Leland Stanford Junior U.) '10. Education.
Floyd, Juanita Helm, *s*, Evansville, Ind. Ph.B. '16. Romance.
Foglesang, Margaret Jane, *s*, Marshall, Tex. Ph.B. '11. Education.
Foland, Mayo Dayton, *s*, Shelbyville, Ind. A.B. (Indiana U.) '09. Education.
Foord, Alvin George, *a*, *w*, Murray, Utah. S.B. '16. Pathology.
Foraker, Dora, *s*, Wellington, Kan. A.B. (U. of Kansas) '09. Household Administration.
Forbes, Dennis Arthur, *s*, Chicago. A.B. (Howard U.) '12. Physics.
Forbes, Genevieve Mildred, *a*, *w*, *sp*, Evanston. A.B. (Northwestern U.) '16. English.
Ford, Carlotta Marks, *s*, Geneva. A.B. (U. of Illinois) '11. Physiology.
Ford, Jesse Baker, *s*, Waxahachie, Tex. A.B. (Trinity U.) '01. Chemistry.
Fordice, Frederick Leland, *s*, Russellville, Ind. A.B. (Wabash C.) '09; A.M. (*ibid.*) '10. Education.
Fortune, John Carroll, *s*, Terrell, Tex. S.B. (U. of Alabama) '04. Education.
Foster, Jessica, *a*, *w*, Chicago. Ph.B. '07. English.
Foster, Walter Lee, *w*, Maxwell, Tenn. S.B. '16. Geology.
Foth, Joseph Henry, *s*, Gatebo, Okla. A.B. (U. of Oklahoma) '14; A.M. (*ibid.*) '14. Political Economy.
Foulk, Ruby Olive, *s*, Lawrence, Kan. A.B. (Campbell C.) '09; A.M. (U. of Kansas) '16. Philosophy.
Fowler, Kenneth, *s*, Dallas, Tex. A.B. (Austin C.) '14. Physiology.
Fox, Paul Jefferson, *s*, Washington, D.C. S.B. '00. Chemistry.
Frank, Della Belle, *w*, *sp*, Mason, Ohio. A.B. (Washburn C.) '00; A.M. (Wooster U.) '03. Greek.
Frank, Elsie Margaret, *a*, *w*, Columbus, Ohio. S.B. (Ohio State U.) '14. Home Economics.
Franken, Katherine, *s*, Norborne, Mo. S.B. (U. of Missouri) '12. Education.
Franklin, Harold Benjamin, *s*, Canton. Ph.B. '14. History.
Frantz, Lillian Robertson, *s*, Wichita, Kan. A.B. (Fairmount C.) '15. English.
Frasch, Otto Robert, *s*, Seattle, Wash. A.B. (Harvard U.) '13. Zoölogy.
Fraser, Henry Earl, *s*, Bowling Green, Ky. S.B. (Vanderbilt U.) '12; M.D. (*ibid.*) '15. Physiology.
Frazer, Eva, *s*, Eugene, Ore. A.B. (U. of Oregon) '12. Pathology.

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Frazier, Cora, *s*, Hillsboro, Ind. A.B. (DePauw U.) '07. Latin.
Freas, Kathryn Elizabeth, *a*, *w*, Bethlehem, Pa. S.B. (Columbia U.) '16. Household Art.
Freeman, Angeline Smith, *a*, *w*, *sp*, Appleton, Wis. A.B. (Smith C.) '15. Home Economics.
Freeman, Clarence Campbell, *s*, Lexington, Ky. A.B. (U. of Kentucky) '83; A.M. (*ibid.*) '88. English.
Freeman, Eva Pearl, *s*, Fargo, N.D. A.B. (Fargo C.) '13. English.
Freeman, Walter Jackson, *s*, Philadelphia, Pa. A.B. (Yale U.) '16. Chemistry.
Frelin, Jules Theophile, *s*, Minneapolis, Minn. A.B. (U. of Minnesota) '05. Romance.
French, Alta Grace, *sp*, Goldfield, Iowa. A.B. (Monmouth C.) '13. English.
French, Henry Sumner, *s*, Northfield, Minn. S.B. (Carleton C.) '15. Physics.
French, Merton Clyde, *s*, Topeka, Kan. A.B. (Baker U.) '09. Education.
Fretz, Daisy, *s*, Pratt, Kan. A.B. (U. of Kansas) '13. History.
Frey, Elizabeth Hay, *s*, Meadville, Pa. A.B. (Allegheny C.) '88. History.
Fried, Orrin Adolph, *sp*, Fountain City, Wis. Ph.B. (U. of Wisconsin) '15. Zoölogy.
Fromme, Nola Katherine, *s*, Brookings, S.D. S.B. (Ohio State U.) '05. Home Economics.
Fronabarger, Benjamin Ford, *s*, Canyon, Tex. A.B. (U. of Texas) '15. Education.
Frost, Grenville Barker, *s*, Orillia, Ontario, Canada. A.B. (U. of Toronto) '15. Chemistry.
Frotscher, Lydia Elizabeth, *a*, *w*, *sp*, New Orleans, La. A.B. (Newcomb C.) '04; A.M. (Tulane U.) '07. German.
Fry, Stella May, *s*, Sioux City, Iowa. A.B. (Morningside C.) '09. House Administration.
Fulton, Ann Elizabeth, *s*, Coeur d'Alene, Idaho. A.B. (Oberlin C.) '04. Education.
Fulton, Jane Turner, *s*, Omaha, Neb. A.B. (Iowa C.) '00. History.
Fuqua, Florence Frances, *s*, Kansas City, Mo. A.B. (U. of Kansas) '14. General Literature,
Fuqua, Joe Gwynn, *s*, Beaumont, Tex. S.B. (Bethel C.) '03. Education.
Furlong, Thomas Henry, *s*, Chicago. S.B. '01. Bacteriology.
Fuson, Chester Garfield, *a*, *w*, *sp*, Chicago. A.B. (Emporia C.) '05. Geography.
Gabbert, Mont Robertson, *a*, *w*, *sp*, Casey Creek, Ky. A.B. (Transylvania C.) '15; A.M. (*ibid.*) '16. Philosophy.
Gale, Agnes Spofford Cook, *s*, *w*, Chicago. A.B. '96. Romance.
Galliher, Royal Vaska, *s*, Fairchild, Iowa. S.B. (Parson's C.) '15. Chemistry.
Gamble, Celia Martin, *a*, Chicago. Ph.B. '15. Latin.
Gannaway, Katie Louise, *s*, Austin, Tex. A.B. (U. of Texas) '10. English.
Garby, Dell S., *s*, Lewiston, Idaho. S.B. (U. of Idaho) '12. Botany.
Garner, Jay McKinley, *w*, Wichita, Kan. S.B. '16. Anatomy.
Garrett, Homer Lycurgus, *s*, Eros, La. A.B. (Louisiana State U.) '14. Education.
Garrette, Ralph David, *s*, Chicago. Ph.B. (U. of Wooster) '10. Chemistry.
Garwood, Irving, *s*, Kittanning, Pa. Ph. B. (Ohio Northern U.) '12. English.

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Gatewood, Esther Lucilla, *a, w, sp*, Columbus, Ohio. A.B. (Ohio State U.) '14. A.M. (*ibid.*) '15. Psychology.

Geddes, Joseph Arch, *s*, Preston, Idaho. A.B. (Brigham Young U.) '07; A.M. (Columbia U.) '13. Political Science.

Gehan, Eleanor, *s*, Chicago. Ph.B. '14. English.

Geisen, Nora Bell, *s*, Leavenworth, Kan. A.B. (Baker U.) '11. English.

George, Bert Morse, *s*, Coeur d'Alene, Idaho. A.B. (U. of Idaho) '09. Education.

Geyer, Ellen Mary, *a, w, sp*, Iowa City, Iowa. Ph.B. (State U. of Iowa) '02. English.

Gibbs, Hazel Dean, *s*, Plainfield, Ind. A.B. (Franklin C.) '15. English.

Gidley, William Francis, *s, w*, La Fayette, Ind. S.B. (U. of Michigan) '08. Zoölogy.

Giffen, Morrison Beall, *w, sp*, Tarkio, Mo. A.B. (Oxford U.) '11. History.

Gifford, Sanford Robinson, *s*, Omaha, Neb. A.B. (Cornell U.) '13. Physiology.

Gigoux, Lazo Pedro Eduardo, *a, w, sp*, Santiago, Chile. H.B. (State U. of Chile) '11; Ph.B. '16. English.

Gilbert, John Joseph, *a*, Chicago. A.B. (U. of Pennsylvania) '09. Mathematics.

Gilbert, Mary Alice, *s*, Cincinnati, Ohio. A.B. (Ohio Wesleyan U.) '11; A.M. (Indiana U.) '12. History.

Gillean, Susan Katherine, *s*, New Orleans, La. A.B. (Newcomb C.) '03; A.M. (Tulane U.) '05; A.M. (Radcliffe C.) '11. Sociology.

Gillespie, Campbell Houston, *s*, Anniston, Ala. A.B. (U. of Alabama) '09. History.

Gillespie, Frances Emma, *s*, Fort Worth, Tex. A.B. (Fort Worth U.) '05; A.B. (George Washington U.) '06. History.

Gillespie, Frances Harper, *s*, Chicago. Ph.B. '15. Sociology.

Gilliland, Adam Raymond, *a, w, sp*, Reinersville, Ohio. A.B. (Muskingum C.) '13; A.M. (Ohio State U.) '15. Education (fel.).

Gillis, Lee James, *s*, Clark, S.D. A.B. (U. of South Dakota) '15. Education.

Gilroy, Helen Turnbull, *a, w, sp*, Philadelphia, Pa. A.B. (Bryn Mawr C.) '09; A.M. (*ibid.*) '12. Physics (fel.).

Gilson, Euphrasia, *s*, Idaho Springs, Colo. A.B. (Denver U.) '12. Education.

Gish, Bessie Kate, *s*, Pittman, Ohio. A.B. (Western C. for Women) '05. Geography.

Gish, Edna E. Miller, *s*, Lincoln, Neb. S.B. (U. of Nebraska) '13; A.M. (*ibid.*) '15. Chemistry.

Gish, Oliver Holmes, *s*, Lincoln, Neb. S.B. (Kansas State Agricultural C.) '08; A.M. (U. of Nebraska) '13. Physics.

Gladding, Corinne Johnson, *s*, Memphis, Tenn. A.B. (Vanderbilt U.) '13. English.

Gleason, Pauline, *s*, Oak Park. A.B. '12. Romance.

Glenn, Earl Rouse, *s*, Chicago. A.B. (Indiana U.) '13. Physics.

Glessing, Barbara Frances, *a, w, sp*, El Paso. A.B. (U. of Illinois) '16. English.

Glover, Benjamin Curtis, *s*, Cameron, Mo. S.B. (Northwestern U.) '07. Mathematics.

Going, Margaret Chase, *s, a, w*, Montreal, Canada. A.B. (McGill U.) '12; A.M. (*ibid.*) '13. Political Economy.

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Goodenough, Aubrey Ward, *s*, Indianola, Iowa. A.B. (Oberlin C.) '06; A.M. (Yale U.) '08. Philosophy.
Goodwin, Cora Alice, *s*, Denton, Tex. A.B. (U. of Texas) '14. Education.
Goggins, Medora Henson, *s*, Chicago. Ph.B. '07. Political Economy.
Gordon, George Paul, *s*, Madison, Ind. Ph.B. (Muskingum C.) '14. Education.
Gordon, Jeannette Munford, *s*, Oklahoma City, Okla. A.B. (Western C.) '03. History.
Gordon, John Everett, *a*, *w*, *sp*, Chicago. S.B. '16. Bacteriology.
Gordon, Mark Dee, *s*, Winchester. A.B. (Eureka C.) '13. German.
Grabske, Charles Frederick, *s*, Pawnee Rock, Kan. A.B. (U. of Kansas) '15. Education.
Graham, Katharine Allen, *s*, Chicago. Ph.B. '16. English.
Graham, Robert Hugh, *s*, *a*, *w*, *sp*, Monmouth. S.B. (Monmouth C.) '15. Physics.
Graham, Roy Adelbert, *s*, Oklahoma City, Okla. A.B. (Oklahoma U.) '14. Chemistry.
Granger, Marshall Allen, *a*, *w*, Lawrence, Kan. A.B. (U. of Kansas) '14; A.M. (*ibid.*) '15. Political Economy.
Gray, Charles Irvine, *s*, Crookston, Minn. A.B. (Muskingum C.) '05. Physics, Psychology.
Gray, Edith Scott, *a*, *w*, *sp*, Oberlin, Ohio. A.B. (Oberlin C.) '11; A.M. (*ibid.*) '12. Political Economy.
Gray, Lillian, *s*, Coatsburg. Ph.B. in Ed. '14. English.
Gray, Minnie B., *s*, Frazer, Mo. S.B. (U. of Missouri) '12. Mathematics.
Green, Charles Francis, *s*, Holton, Kan. A.B. (U. of Kansas) '14; A.M. (*ibid.*) '15. Mathematics.
Green, Hattie Cora, *s*, West, Miss. A.B. (Industrial Inst. and C. of Mississippi) '10. English.
Green, Sister Mary Azaria, *s*, St. Paul, Minn. A.B. (C. of Saint Katherine) '15. Chemistry.
Greenen, Lena Weber, *s*, LeMars, Iowa. A.B. (State U. of Iowa) '09; A.M. (*ibid.*) '12. German.
Greensfelder, Olive St. Clair, *w*, *sp*, Chicago. Ph.B. '16. History.
Gregg, Eugene Stewart, *s*, Batesville, Ark. A.B. (Austin C.) '13. Political Economy.
Gregory, Mabel Hannah, *s*, Logansport, Ind. A.B. (Indiana U.) '12. English.
Greve, Carl Friedrich, *s*, Chicago. A.B. (Northwestern U.) '08. German (fel.).
Griffey, Harvey Francis, *s*, Fortville, Ind. A.B. (Indiana U.) '10; A.M. (*ibid.*) '16. Education.
Griffith, Charles Everett, *s*, Ludington, Mich. A.B. (Beloit U.) '04. Education.
Griffith, Lillian Gaither, *s*, Columbus, Ga. S.B. (Columbia U.) '13. Romance.
Grimes, John Odus, *s*, North Baltimore, Ohio. S.B. in Ed. (Ohio U.) '13. Education.
Grimes, Marie Ruth, *s*, Colesburg, Iowa. A.B. (Upper Iowa U.) '13. History.
Grimes, Ruth Ada, *s*, Chicago. A.B. '15. English.
Griswold, Emada Avery, *s*, Chicago. Ph.B. '12. Romance.
Grogan, Robert Earl, *a*, *w*, *sp*, Dallas, Tex. A.B. (Baylor U.) '16. Anatomy.

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Groom, Horace Ensign, *s*, *a*, *w*, *sp*, Kennewick, Wash. A.B. (Morningside C.) '07. Anatomy.
Grossman, August, *s*, St. Louis, Mo. A.B. (Harvard U.) '00. Education.
Grote, Caroline, *s*, Macomb. L.B. (Carthage C.) '13. Education.
Groth, Helene Genevieve, *s*, Minneapolis, Minn. A.B. (U. of Minnesota) '14. English.
Grove, Theodora, *s*, Newton, Kan. A.B. '14. Hygiene.
Grunewald, Emma Mary, *s*, Blairstown, Iowa. Ph.B. '16. English.
Guerne, Charles Augustus, *s*, Turner, Ore. A.B. (U. of Oregon) '12. Education.
Guise, Carl Conrad, *s*, Oneida, Kan. A.B. (Campbell C.) '11; A.M. (U. of Kansas) '14. Philosophy.
Gullidge, Hattie, *s*, Durant, Miss. A.B. (Industrial Inst. and C. of Wisconsin) '04. English.
Gummersheimer, Cordelia Elizabeth, *s*, Belleville. A.B. (Knox C.) '14. German.
Gunthrope, James Monroe, *s*, Kinmundy. S.B. in Ed. '14. Education.
Gurd, Edith May, *s*, Chicago. S.B. '11. Education.
Gushee, Vera Marie, *s*, *a*, *w*, *sp*, Ludlow, Mass. A.B. (Smith C.) '16. Astronomy.
Guthrie, Dora Hannah, *s*, Vermont. A.B. (Eureka C.) '09. English.
Guthrie, Sister Ste. Helene, *s*, St. Paul, Minn. A.B. (U. of Minnesota) 08. Education.
Gutridge, Lee Everett, *s*, Newark, Ohio. Ph.B. (Dension U.) '06. German.
Gutzeit, Emma, *s*, San Antonio, Tex. L.B. (U. of Texas) '01. German.
Gwinn, Edith Duff, *a*, Terre Haute, Ind. S.B. '14. Zoölogy.
Hadley, Frances Willard, *s*, North Grafton, Mass. A.B. (Mount Holyoke C.) '12. English.
Hadley, Thomas Frederic, *s*, Richland, Iowa. A.B. (Friends' U.) '10; A.B. (Haverford C.) '11. Education.
Haeske, Inez Lorene, *w*, South Bend, Ind. A.B. (Smith C.) '15. Political Economy.
Hager, Daniel Eugene, *s*, Spearfish, S.D. A.B. (Huron C.) '09. Latin.
Hahn, Ernest, *a*, *w*, *sp*, Milwaukee, Wis. Graduate (Concordia C.) History.
Haislup, Anna M., *s*, Elizabethtown, Ind. Ph.B. (Franklin C.) '10. Home Economics.
Hake, William Howard, *s*, Tulsa, Okla. A.B. (Dickinson C.) '02. Latin.
Hale, George Clyde, *s*, Dugger, Ind. A.B. (Indiana U.) '15; A.M. (*ibid.*) '15. Chemistry.
Hall, Maybelle Dacotah, *s*, Baraboo, Wis. A.B. (DePauw U.) '12. English.
Hall, William Loring, *s*, Athens, Ohio. A.B. (Ohio U.) '15; A.M. (Ohio State U.) '16. Latin.
Hallock, Abraham Avery, *s*, Cromwell, Conn. A.B. (Wesleyan U.) '16. Physics.
Hamill, Glenna R., *s*, Joliet. Ph.B. '13. Education.
Hamilton, Cliff Struthers, *s*, Monmouth. S.B. (Monmouth C.) '12. Education.
Hamilton, India Pearle, *s*, Paris, Tex. A.B. (Polytechnic C.) '11. German.
Hammer, Bernard Wernick, *s*, Ames, Iowa. S.B. (U. of Wisconsin) '08. Physiology.
Hammerly, Susanna, *s*, Jackson, Tenn. Ph.B. '12. Latin.

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Hammond, Aldace Walker, *a*, *w*, Grinnell, Iowa. S.B. (Grinnell C.) '15. Anatomy.
Hanchett, William MacMicken, *a*, *w*, *sp*, Council Bluffs, Iowa. A.B. (Harvard U.) '03. Anatomy.
Hancock, Elmer R., *w*, Emerado, N.D. A.B. (U. of North Dakota) '16. Physiology.
Hancock, Virgil Kinney, *s*, Coupeville, Wash. S.B. (U. of Washington) '16. Anatomy.
Hanke, Milton Theodore, *s*, Chicago. S.B. '14. Chemistry.
Hanley, Frederick Reinig, *s*, Lincoln, Neb. A.B. (U. of Nebraska) '12. Romance.
Hanlin, Ruby Robert, *s*, Cullman, Ala. S.B. (Vanderbilt U.) '08. English.
Hanna, Clarence, *s*, Indianapolis, Ind. Ph.B. (Franklin C.) '10. English.
Hanna, Claude Clark, *s*, Worthington, Ind. A.B. (Franklin C.) '14. Education.
Hanna, LeRoy Wayne, *s*, Poplar Bluffs, Mo. Ph.B. (Franklin C.) '09. English.
Hanna, Mary Isabel, *s*, Cadiz, Ohio. S.B. (Ohio U.) '14. History of Art.
Hansen, Albert August, *s*, State College, Pa. S.B. (Pennsylvania State C.) '13; S.M. (*ibid.*) '15. Botany.
Hansen, Peter Grant, *s*, Ada, Mich. A.B. (Olivet C.) '13. Chemistry.
Hanson, Alyda Caren, *s*, Chicago. S.B. '15. Geography.
Harbert, Arlos Jackson, *sp*, Clarksburg, W.Va. A.B. (Washington and Lee U.) '12. Political Economy.
Harden, Laura Alexander, *s*, Owsego, N.Y. A.B. (Vassar C.) '97. Education.
Hardy, Charlotte, *s*, Dryden, Mich. A.B. (Olivet C.) '14. German.
Hardy, Noah Phillips, *s*, LaGrange. A.B. (Northwestern U.) '15. English.
Harkins, Louise Hathaway, *a*, *w*, *sp*, Chicago. A.B. (U. of Montana) '99. English.
Harmon, Alice Irene, *s*, Mondovi, Wis. Ph.B. '13. English.
Harrington, Frederick Butler, *s*, Shakopee, Minn. A.B. (Oberlin C.) '06; A.M. (U. of Minnesota) '11. Education.
Harrington, Lee Winegar, *s*, Waukegan. A.B. (U. of Michigan) '08. History.
Harris, Annie Gardner, *s*, Warrensburg, Mo. A.B. (U. of Kansas) '06. German.
Harris, Clarence Eugene, *s*, Laporte, Ind. S.B. (Ohio State U.) '11. Education.
Harris, Eloise Jandon, *s*, Farmville, Va. S.B. (Richmond C.) '14. Chemistry.
Harris, Frances Wilson, *s*, Georgetown, Tex. A.B. (Southwestern U.) '11. English.
Harris, Lena Louise, *a*, *w*, *sp*, Terre Haute, Ind. A.B. (Indiana State Normal) '13. Botany.
Harris, William Durham, *s*, Virgilina, Va. A.B. (William and Mary C.) '16. Sociology.
Harrison, Bruce Magill, *s*, Ames, Iowa. S.B. (Ottawa U.) '05; S.M. (University of Illinois) '08. Zoölogy.
Hart, Mildred, *s*, Chattanooga, Tenn. A.B. (U. of Chattanooga) '08. Romance.
Hart, Walter Harry, *s*, *a*, Chicago. S.B. '16. Anatomy.
Hartford, Harriet, *s*, Chicago, Ph.B. in Ed. '10. English.
Hartshorn, Elden Bennett, *s*, Hanover, N.H. S.B. (Dartmouth C.) '12. Chemistry.

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Harvey, Mary Gertrude, *s*, Chicago. S.B. (Northwestern U.) '13. Home Economics.

Harvey, Sara King, *w*, Danville, Ind. A.B. (Indiana U.) '13. English.

Haskell, Charles Otto, *s*, Marengo. A.B. (Defiance C.) '13. Education.

Haskell, Margaret Kingsland, *w*, *sp*, Evanston. A.B. (Bryn Mawr C.) '16. English.

Hastings, George Everett, *s*, Fredericktown, Pa. A.B. (Princeton U.) '04.; A.M. (*ibid.*) '12. English.

Hatcher, Mattie Louise, *s*, Bowling Green, Ky. Ph.B. '09; Ed.B. (*ibid.*) '09. Education.

Hatz, Julia, *s*, Chicago. Ph.B. '12. Home Economics.

Hauk, Mabel, *s*, Indianapolis, Ind. Ph.B. (Butler C.) '00; Ph.B. '01. Geography.

Haupt, Arthur Wing, *a*, *w*, *sp*, Chicago. S.B. '16. Botany.

Hauser, Irma, *a*, *w*, *sp*, Chicago. S.B. '16. Bacteriology.

Hauser, Karl Andrew, *a*, *w*, *sp*, Cedar Falls, Iowa. A.B. (Iowa State Teachers' C.) '14. Commerce and Administration.

Hauser, Manie Barnes, *s*, Springfield, Mo. A.B. (Drury C.) '13. German.

Hayakawa, Naose, *sp*, Uyeda, Japan. Nogakaishi (Sapporo Agricultural C.) '12. Political Economy.

Hayes, Frank Little, *a*, Chicago. A.B. (Harvard U.) '16. English.

Haynes, Stanley Hewitt, *s*, Minneapolis, Minn. S.B. (U. of Minnesota) '15. Pathology.

Hayward, Alice, *s*, Chicago. Ph.B. '14. History.

Hazard, Clifton Terrell, *s*, La Fayette, Ind. S.B. (Wilmington C.) '06; A.M. (Indiana U.) '13. Mathematics.

Heath, Faye Rachel, *a*, *w*, *sp*, Stuart, Iowa. S.B. (Des Moines C.) '15; A.B. (*ibid.*) '16. Anatomy.

Heck, Frank LeRoy, *s*, *w*, Chicago. A.B. (Wittenburg C.) '14. Anatomy.

Hedden, Edith Louise, *s*, Fort Branch, Ind. A.B. (DePauw C.) '13. English.

Hedley, James Walter, *s*, Saskatoon, Canada. A.B. (U. of Toronto) '02; A.M. (*ibid.*) '03. Mathematics.

Hedman, Thure Johannes, *sp*, Kingston, Canada. Ph.B. '12. German.

Hegar, Francis, *s*, Dubuque, Iowa. A.B. (Dubuque C.) '16. Mathematics.

Heil, Mabel Louise, *s*, Topeka, Kan. S.B. (Washburn C.) '03. Education.

Helmershausen, Adella Maude Minnie, *s*, Chicago. Ph.B. '14. English.

Helmick, Homer Henry, *s*, *a*, *w*, *sp*, Defiance, Ohio. A.B. (Defiance C.) '09. Chemistry.

Hemke, Paul Emil, *s*, Atlanta, Ga. A.B. (Central Wesleyan C.) '09. Mathematics.

Hemphill, Stella Ormberg, *s*, Dallas, Tex. A.B. (U. of Texas) '15. Romance.

Henderson, Mildred Serine, *s*, Chicago. Ph.B. '15. Household Art.

Henry, Thomas Bravais, *s*, *a*, *w*, *sp*, Independence, Kan. A.B. (U. of Kansas) '16. Mathematics.

Henshaw, Millett, *sp*, Evansville, Ind. A.B. (U. of Colorado) '15; A.M. (Leland Stanford Junior U.) '16. Greek.

Hepner, Walter Ray, *s*, Covina, Cal. A.B. (U. of Southern California) '13. Sociology.

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Herbalsheimer, Henry Carl, *s*, Marengo. A.B. (Defiance C.) '14. Education.
Herrick, Alice Lee, *sp*, Chicago. Ph.B. '12. English.
Herriott, Frank Wilbur, *s*, Manhattan, Kan. A.B. (Ottawa U.) '15. History.
Hertzman, Birger Constantine, *s*, *a*, *w*, Afton, Minn. A.B. (Gustavus Adolphus C.) '11. Physics.
Hess, Gaylord Ray, *s*, Chicago. S.B. '14. Pathology.
Hester, Frank Orville, *s*, Chicago. A.B. (DePauw U.) '89. Physics.
Hetzel, George, *s*, Pasadena, Cal. A.B. (Kansas State Normal) '10; A.M. (Columbia U.) '11. Education.
Heumann, Johanna, *s*, Chicago. S.B. '16. Anatomy.
Hewlitt, James Howell, *s*, Winchester, Ky. A.B. (Birmingham C.) '12; A.M. (Vanderbilt U.) '13. English.
Hibbs, William George, *a*, *w*, *sp*, Chicago. S.B. (Franklin C.) '15. Anatomy.
Hicks, Earnest Emanuel, *s*, Wilkinsburg, Pa. A.B. (Ohio Wesleyan U.) '12. Education.
Higbie, Edgar Creighton, *sp*, Morris, Minn. A.B. in Ed. (U. of Minnesota) '07; A.M. (*ibid.*) '09. Education.
Higginbotham, Lorine, *s*, Dublin, Tex. A.B. (U. of Texas) '11. General Literature.
Highbarger, Ernest Leslie, *a*, *w*, *sp*, Rockford. A.B. (Mount Morris C.) '08. Greek (fel.).
Highfill, Robert David, *s*, Argenta, Ark. A.B. (U. of Arkansas) '11. English.
Hildebrand, Lee Ernest, *w*, *sp*, Stroud, Okla. L.B. (Oklahoma Agricultural and Mechanical C.) '10. Physics.
Hildebrand, Louis Ernest, *s*, Evanston. A.B. (Indiana U.) '04; A.M. (Northwestern U.) '09. Public Speaking.
Hildebrandt, Martha Paula, *s*, Bellewood. Ph.B. '12. German.
Hill, Emory, *s*, *a*, *w*, *sp*, Chicago. A.B. (Columbia U.) '04; M.D. (Medical C. of Virginia) '07. Pathology.
Hill, Victor Dwight, *s*, Liberty, Mo. A.B. (William Jewell C.) '15. Latin.
Hiller, Ernest Theodore, *s*, Chicago. S.B. (Northwestern U.) '12; A.M. (*ibid.*) '13. Sociology.
Himmel, Edward Nelson, *s*, Naperville. S.B. (Northwestern C.) '09. Education.
Hinman, Robert Bruce, *s*, Chicago. S.B. (U. of Illinois) '15. Education.
Hinote, Elizabeth, *s*, Gentry, Mo. A.B. (U. of Missouri) '11. Education.
Hirtzell, Clara Lillie, *s*, Effingham. A.B. (U. of Illinois) '15. English.
Hitchcock, Fred Andrews, *s*, Akron, Ohio. Ph.B. (Buchtel C.) '12. Education.
Hitchcock, Wiley, *s*, Washington, Ind. A.B. (Indiana State Normal) '09. Physics.
Hite, Alice, *s*, Owensboro, Ky. A.M. (Potter C.) '94. English.
Hodge, Albert Claire, *s*, Chicago. Ph.B. '14. Political Economy.
Hodges, Mabel Clare, *s*, Morgantown, W.Va. S.B. (U. of West Virginia) '12. Education.
Hoerner, John Andrew, *a*, *w*, McPherson, Kan. A.B. (McPherson C.) '16. Sociology.
Hoffmann, Rudolph Oscar, *s*, Evanston. Ph.C. (State U. Ghent). German.
Hofrichter, Cassius Howard, *s*, Cleveland, Ohio. S.B. (Hiram C.) '16. Hygiene.
Hogeboom, George Washington, *a*, *w*, *sp*, New Orleans, La. S.B. '16. Physiology.

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Holaday, Horace Asa, *s*, Moscow, Idaho. A.B. (U. of Colorado) '11. Chemistry.
Hollinger, Archie Reed, *s*, Gettysburg, Pa. A.B. (Pennsylvania C.) '15. English.
Holmes, Harriet Fay, *a*, *w*, *sp*, Chicago. A.B. (Vassar C.) '95. Pathology.
Holsinger, Edna Frances, *s*, Rosedale, Kan. A.B. (U. of Kansas) '04. History.
Holt, Howard Taylor, *s*, Waverly, Iowa. A.B. (U. of Iowa) '15. Education.
Holt, Robert Benton, *s*, Murfreesboro, Tenn. A.B. (U. of Wisconsin) '01. Physics.
Hood, Laura Sarah, *s*, Laporte, Ind. Ph.B. '04. Sociology.
Hoover, Lewis, *a*, *s*, Orleans, Ind. A.B. (Indiana U.) '13; A.M. (*ibid.*) '14. Education.
Hopkins, Mariel, *s*, Edmond, Okla. S.B. (State U. of Iowa) '15. Home Economics.
Hoppe, Edith, *s*, Chicago. Ph.B. '14. German.
Horine, Clara, *s*, Delphos, Ohio. L.B. (Ohio Wesleyan U.) '09. English.
Hornbeak, Hattie Lee, *s*, Waxahachie, Tex. A.B. (U. of Texas) '12. English.
Horner, John Turner, *s*, Tulsa, Okla. A.B. (Drury C.) '13. Political Economy.
Horton, Deo Wesley, *s*, Mishawaka, Ind. A.B. (Indiana U.) '09; A.M. (*ibid.*) '12. Education.
Horton, Ralph, *s*, Morrillton, Ark. A.B. (U. of Arkansas) '13. History.
Hoskins, Louis Harley, *s*, Okmulgee, Okla. A.B. (U. of Oklahoma) '15. History.
Hotchkiss, Grace Elizabeth, *s*, Chicago. Ph.B. '15. Political Science.
Houser, John David, *s*, Fresno, Cal. A.B. (Leland Stanford Junior U.) '11; A.M. (*ibid.*) '12. Education.
Howell, Annette, *a*, *w*, *sp*, Scranton, Pa. A.B. (Vassar C.) '16. Psychology.
Howell, Clyde Melvin, *s*, Edmond, Okla. A.B. (U. of Oklahoma) '15. Education.
Howes, Anna May, *s*, Wichita, Kan. A.B (Friends' U.) '10. History.
Howlett, Berton Arthur, *s*, *sp*, Valparaiso, Ind. S.B. (Valparaiso U.) '10; A.B. in Ed. (*ibid.*) '14. Physics.
Hubbard, Howard Archibald, *s*, Alexandria, Ohio. A.B. (Ohio Wesleyan U.) '04; A.M. (*ibid.*) '06. History.
Hudson, Hoyt Hopewell, *a*, *w*, *sp*, Coeur d'Alene, Idaho. A.B. (Huron C.) '11; A.M. (U. of Denver) '13. English.
Huebsch, Leila Rose, *s*, Le Mars, Iowa. S.B. (State U. of Iowa) '13. Home Economics.
Huffaker, Carl Leo, *s*, Nevada, Iowa. S.B. in Ed. '15. Botany.
Hughes, Robert Edward, *s*, Savannah, Mo. S.B. '16. Botany.
Hull, Arthur Morris, *s*, Springfield, Mo. A.B. (Drury C.) '01. English.
Humfeld, Martha Marie, *s*, Newton, Kan. A.B. (Friends' U.) '14. German.
Hungerford, Emily Evangeline, *s*, Coldwater, Mich. A.B. (Olivet C.) '04. Sociology.
Hunsberger, Harvey Samuel, *s*, Riverside, Cal. A.B. (Olivet C.) '09; A.M. (*ibid.*) '11. Pathology.
Hunt, Everett Lee, *s*, Huron, S.D. A.B. (Huron C.) '13. Philosophy.
Hunter, Alice Mary, *a*, *w*, Grand Forks, N.D. A.B. (U. of North Dakota) '14. Anatomy.
Hunter, Frances Beatrice, *s*, Chicago. S.B. in Ed. (Columbia U.) '13. Home Economics.

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Hunter, Marion Bertram, *s*, Sharon, Conn. A.B. (Maryville C.) '04. Chemistry.
Hunter, Mary *s*, Vinton, Iowa. A.B. (Iowa State Teachers' C.) '12. History.
Hunter, Vivian Sarah, *s*, Mason City, Iowa. A.B. (U. of Minnesota) '14. English.
Hurn, Ethel Alice, *s*, Oshkosh, Wis. A.B. (U. of Wisconsin) '10. History.
Hurt, Arthur Stratton, *s*, Sugar Creek, Mo. S.B. (U. of Missouri) '13; A.M. (*ibid.*) '16. Philosophy.
Hutsinpillar, Neil Charles, *s*, Rolla, Mo. A.B. (Ohio State U.) '08. English.
Huyck, Orland T., *s*, Grand Island, Neb. A.B. (Grand Island C.) '14. Education.
Hyden, John Albert, *s*, Philadelphia, Tenn. A.B. (Maryville C.) '14. Physics.
Hyskell, Ira David, *a*, *w*, *sp*, Northfield, Minn. A.B. (Allegheny C.) '05; A.M. (Harvard U.) '07. Latin (fel.).
Illingworth, Corienne, *s*, Peoria. Ph.B. '09. English.
Imlay, Ruth Egbert, *a*, *w*, Cedar Falls, Iowa. A.B. (Iowa State Teachers' C.) '16. English.
Ireland, Bernice Fredericka, *s*, Brownstown, Ind. A.B. (Indiana U.) '13. Mathematics.
Isenberger, Jerome C., *s*, Chicago. A.B. (Indiana U.) '10. Zoölogy.
Ives, Judson Dunbar, *a*, *w*, *sp*, Pinebluff, N.C. A.B. (Lake Forest C.) '05; A.M. (*ibid.*) '06. Botany.
Jack, Dora Eunice, *s*, Burleson, Tex. A.B. (Baylor U.) '14. German.
Jacob, Peyton, *s*, *a*, Belton, Tex. A.B. (Mississippi C.) '05; A.M. (*ibid.*) '08. Education (fel.).
Jacobs, Arlington Brasil, *s*, Tekamah, Neb. B.P. (Ohio U.) '11. Education.
Jacobs, Esther, *s*, Burlington, Iowa. Ph.B. '15. German.
James, Laura Garner, *s*, Sunnyvale, Cal. A.B. (Leland Stanford Junior U.) '97; A.M. (*ibid.*) '99. Household Art.
Jameson, Hallie Lee, *s*, Waco, Tex. A.B. (Baylor U.) '15. English.
Jameson, Jennie Marie, *s*, Chicago. A.B. (Monmouth C.) '15. Education.
Jared, Raymond, *s*, Terre Haute, Ind. A.B. (Indiana State Normal S.) '11. Chemistry.
Jeanneret, Francois Charles Archile, *s*, *sp*, Toronto, Canada. A.B. (U. of Toronto) '12. Romance.
Jeffrey, Cecelia Irene, *s*, Sloan, Iowa. Ph.B. (Grinnell C.) '09. Latin.
Jend, Hildegard, *s*, Detroit, Mich. L.B. (Baldwin-Wallace C.) '07; A.M. (U. of Michigan) '08. German.
Jenison, Pearl, *s*, Onaga, Kan. A.B. (Ottawa U.) '11. English.
Jenista, George John, *s*, *a*, Chicago. S.E., E.B. (U. of Wisconsin) '12. Physics.
Jenkins, Alice Justin, *w*, Stephens, Ark. Ph.B. '16. English.
Jenkins, Charles Emerson, *s*, Chicago. A.B. (Indiana U.) '10. Education.
Jenkins, Ella VanSant, *s*, Omaha, Neb. A.B. (Cornell C.) '12. English.
Jenkins, Jessie Winifred, *a*, *w*, *sp*, Faribault, Minn. A.B. (Rockford C.) '16. English.
Jenkins, Ruth Evelyn, *s*, Plainwell, Mich. Ph.B. in Ed. '16. Education.
Jenks, Caroline Louise, *s*, Ionia, Mich. A.B. (U. of Michigan) '04. Latin.
Jenks, Ira Johnathan, *s*, Wheaton. A.B. (Wheaton C.) '15. Chemistry.

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Jensen, Howard Eikenberry, *a, w, sp,* Herington, Kan. A.B. (State U. of Kansas) '14; A.M. (*ibid.*) '15. Sociology (fel.).

Jensen, James Marinus, *s,* Provo, Utah. A.B. (Brigham Young U.) '13. Political Science.

Jensen, Louis Christian, *a,* Verdon, S.D. S.B. (Sioux Falls C.) '15. Physiology.

Jensen, Viggo Wilhelm, *a, w, sp,* Lakewood, Mich. A.B. (Illinois C.) '15. Anatomy.

Johannsson, Johann Gestur, *s,* Manitoba, Canada. A.B. (U. of Manitoba) '11. Education.

Johnson, Adolph Herman, *s,* Ottumwa, Iowa. A.B. (Lake Forest C.) '15. English.

Johnson, Alice Estella, *sp,* Bonaparte, Iowa. Ph.B. '15. Education.

Johnson, Broer Rollo, *a, w, sp,* Cadillac, Mich. A.B. (Augustana C.) '15. Anatomy.

Johnson, Edna, *s,* Richmond, Ind. A.B. (Indiana U.) '98; A.M. (*ibid.*) '04. Latin.

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Johnson, Eugene Lee, *s,* Tahlequah, Okla. Ph.B. '09. English.

Johnson, Helen, *s, sp,* Chicago. A.B. (Smith C.) '13. Psychology.

Johnson, John Christopher, *s,* Greeley, Colo. A.B. (State Teachers' C. of Colorado) '11; S.M. (U. of California) '15. Zoölogy.

Johnson, John Theodore, *s,* Gary, Ind. A.B. (Indiana U.) '11; A.M. (U. of Wisconsin) '13. Education.

Johnson, Lena May, *s,* Hudson, Mich. A.B. (U. of Michigan) '05. Education.

Johnson, Roy Ivan, *s,* Kansas City, Mo. A.B. (U. of Missouri) '09; S.B. (*ibid.*) '09. Education.

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Johnston, Florence Dorothy, *s,* Cedar Rapids, Iowa. S.B. (Coe C.) '15. Anatomy.

Johnston, Mary, *s,* Bloomington, Ind. A.B. (Indiana U.) '00; A.M. (*ibid.*) '02. Latin.

Joiner, Elizabeth Frances, *s,* Hawkinsville, Ga. A.B. (Agnes Scott C.) '13. German.

Joiner, Jennie McCorkle, *s,* Magnolia, Ark. A.B. (U. of Arkansas) '10. English.

Jones, Ada Magle, *s,* Malden, Mo. A.B. (U. of Missouri) '08. Education.

Jones, Alice Lloyd, *s,* Hillside, Wis. S.B. (U. of Wisconsin) '11. Household Art.

Jones, Beatrice, *s,* Kalamazoo, Mich. A.B. (Indiana U.) '05. History.

Jones, Edith Florence, *s,* Los Angeles, Cal. A.B. (Wellesley C.) '16. Geography.

Jones, Edward Homer, *s,* Dallas, Tex. A.B. (U. of Texas) '08; A.M. (Harvard U.) '10. Mathematics.

Jones, Harold Oakland, *s,* Denison, Tex. A.B. (U. of Texas) '07. Physiology.

Jones, Henry Albert, *a, w, sp,* Lincoln, Neb. S.B. (U. of Nebraska) '15. Botany.

Jones, Herbert Spencer, *s,* Muskogee, Okla. Ph.B. '13. Education.

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Jones, Howard Emery Ambler, *a, sp,* Chicago. Ph.B. (Wesleyan U.) '05. Geology.
Jones, Ira, *s,* Philpot. Ky. Ph.B. '15. Education.
Jones, James Wiley, *s,* Murray, Ky. A.B. (Georgetown C.) '09; A.M. (*ibid.*) '10. Education.
Jones, Joseph Henry, *s,* Evanston. S.B. (Earlham C.) '09. Zoölogy.
Jones, Laura, L., *s,* Ames, Iowa. S.B. (Iowa State C.) '14. Education.
Jones, Lester Martin, *s,* Pickering, Mo. A.B. (Baker U.) '09; D.B. (Union Theological Sm.) '13; A.M. (Columbia U.) '13. Education.
Jones, Maro Beath, *s,* Claremont, Cal. A.B. (Boston U.) '00. Romance.
Jones, Rubie Elizabeth, *s,* West Milton, Ohio. A.B. (Earlham C.) '13. General Literature.
Jones, Theodore Tolman, *s,* Lexington, Ky. A.B. (State C. of Kentucky) '02; A.M. (Harvard U.) '08. Latin.
Jophes, Clara Beatrice, *s,* Chicago. Ph.B. '07. Romance.
Jordan, Edward Elliot, *s,* Vancouver, B.C., Canada. A.B. (Dalhousie C.) '95. A.M. (*ibid.*) '98. Mathematics.
Jordan, Robert Ellis, *s,* Evanston. A.B. (Northwestern U.) '16. History.
Josi, Emil, *w,* Chippewa Falls, Wis. A.B. in Ed. (U. of Minnesota) '14; A.M. (*ibid.*) '15. Education.
Journey, Rockwell Cresap, *s,* Columbia, Mo. A.B. (U. of Missouri) '12; A.M. (*ibid.*) '13. Political Science.
Judkins, Roy Lamont, *s,* Grand Island, Neb. A.B. (Grand Island C.) '14. Physics.
Julian, Arthur Earl, *s,* Burlington, Iowa. S.B. (Parson's C.) '15. Chemistry.
KaDel, Orpha E., *s,* Belle Plaine, Iowa. S.B. (Iowa State C.) '10. Home Economics.
Kahn, Dorothy Caroline, *s,* Chicago. A.B. (Wellesley C.) '15. Education.
Kannenstine, Fabian Miller, *s, a, w, sp,* St. Louis, Mo. S.B. (Washington U.) '13. Physics.
Kanzler, Herman Adam, *s,* St. Louis, Mo. A.B. (Christian Brothers C.) '00; A.M. (*ibid.*) '03. Romance.
Kaplan, Samuel, *s, a, w, sp,* Chicago. Ph.B. '14. English.
Karns, Blanche, *s,* Bluffton, Ind. A.B. (Indiana U.) '00. Latin.
Kauffman, Harry Nelson, *s,* Degraff, Ohio. A.B. (Wittenberg C.) '11. Geography.
Kauffman, Treva E., *s,* Columbus, Ohio. S.B. (Ohio State U.) '11. Home Economics.
Kawabe, Kisaburo, *s, w,* Province of Saitama, Japan. LL.B. (Waseda U.) '07; A.M. (U. of Wisconsin) '12. Sociology.
Keates, Ellen Carruthers, *s,* Des Moines, Iowa. A.B. (Mount Holyoke C.) '04. Education.
Keating, Frances Parnell, *s,* Chicago. A.B. '11. Latin.
Kee, Francisco Go, *s,* Manila, P.I. S.B. '16. Pathology.
Keister, Albert Samuel, *s,* Mount Vernon, Iowa. A.B. (Otterbein U.) '10; A.M. (Columbia U.) '11. Political Economy.
Keith, Eleanor Margaret, *s,* Byars, Okla. A.B. (U. of Kansas) '14. Home Economics.
Kellems, Thomas Oscar, *s,* Mount Carmel. S.B. (Drake U.) '13. Chemistry.

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Kelley, Arthur Caryl, *s*, Chicago. A.B. (U. of Illinois) '12. Political Economy.
Kelley, Marjorie, *s*, St. Joseph, Mich. A.B. (U. of Toronto) '12. Latin.
Kellogg, Clara Louise, *s*, Oil City, Pa. A.B. (Goucher C.) '03. Education.
Kelly, Mervin Joe, *s*, *a*, *w*, *sp*, Cameron, Mo. S.B. (Missouri S. of Mines) '14. Physics (fel.).
Kelsey, Lilla Brown, *s*, Milwaukee, Wis. A.B. (Beloit C.) '03. English.
Kennedy, Berthold Stamps, *a*, Cornersville, Tenn. S.B. '15. Bacteriology.
Kennedy, Eleanor Tucker, *a*, *sp*, Chicago. A.B. (U. of Texas) '07. General Literature.
Kennedy, Mary Hazel, *s*, Baldwin City, Kan. A.B. (Baker U.) '12. History.
Kennicott, Jane Thompson, *sp*, Chicago. Ph.B. '04; Ed.B. '04. English.
Kenny, Helene M., *s*, Charleston. Ph.B. '14. Psychology.
Kent, Harry Llewellyn, *s*, Manhattan, Kan. A.B. (Kansas State Normal S.) '12; S.B. (*ibid.*) '14. Education.
Kerr, Florence Isabel, *s*, Gallipolis, Ohio. A.B. (Miami U.) '09. Latin.
Kerr, James, *s*, Norfolk, Va. A.B. (U. of Virginia) '15.; A.M. (*ibid.*) '16. Romance.
Kerr, Marguret Edith, *s*, Buford, N.D. A.B. (U. of North Dakota) '16. Botany.
Kessler, James, *a*, *w*, *sp*, Portland, Ind. A.B. (Indiana U.) '08. Romance.
Keulegan, Garvis Havannes, *s*, Columbus, Ohio. A.B. (Anatolia C.) '10; A.B. (Ohio State U.) '13; A.M. (*ibid.*) '15. Mathematics.
Kiefer, James Ambrose, *s*, Bozeman, Mont. S.B. (Montana State C. of Agriculture) '14. Physics.
Kiel, Lee, *a*, *w*, *sp*, Sioux Center, Iowa. S.B. '16. Pathology.
Kies, Paul Philemon, *a*, *sp*, Warrenton, Mo. A.B. (Central Wesleyan C.) '11; A.M. (U. of Nebraska) '15. German.
Kile, Mercedes Lois, *a*, Indianapolis, Ind. A.B. (Butler C.) '09. English.
Killeen, Katherine May, *a*, Dubuque, Iowa. A.B. (U. of Michigan) '03. Education.
Killheffer, Marie, *s*, Grand Junction, Colo. A.B. (Cornell C.) '12. English.
Kimball, Oliver Perry, *s*, London, Ohio. S.B. '14. Anatomy.
Kimball, Tel Clarence, *s*, Garfield, Ga. Ph.B. (Emory C.) '13. Mathematics.
King, Henry James, *s*, East Auburn, Cal. S.B. (Kirksville Normal) '11; A.B. (*ibid.*) '12; A.M. (U. of Missouri) '13. Chemistry.
King, Herbert Hiram, *s*, Manhattan, Kan. A.B. (Ewing C.) '04; A.M. (*ibid.*) '06. Chemistry.
King, Laura Gladys, *s*, St. Paul, Minn. A.B. (Carleton C.) '15. English.
King, Marie, *s*, Holton, Kan. A.B. (Campbell C.) '12. English.
King, Vesta, *s*, Union City, Ind. A.B. (Indiana U.) '12. Household Administration.
Kingsbury, Forrest Alva, *s*, Grand Island, Neb. Ph.B. (Central C.) '09; A.M. (Yale U.) '11. Education.
Kingsbury, Joseph Bush, *s*, *a*, *w*, *sp*, Washington, D.C. A.B. (George Washington U.) '15. Political Economy (fel.).
Kingsland, Gertrude Southwick, *a*, *w*, Wells, Minn. Ph.B. (Hamline U.) '88; A.M. (*ibid.*) '12; A.M. (Columbia U.) '13. English.
Kinney, Jacob Millison, *s*, Chicago. A.B. (Indiana U.) '04; A.M. (U. of Nebraska) '07. Mathematics.

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Kinsley, Prudence Ellis, *sp*, Chicago. A.B. (Vassar C.) '10. Physiology.
Kirby, Grady, *a*, *w*, *sp*, Scottsboro, Ala. A.B. (U. of Oklahoma) '15. Geology.
Kirk, James William, *s*, Sheridan, Ind. A.B. (Indiana U.) '09. Education.
Kiser, Elmer Winfield, *s*, Dayton, Ohio. S.B. (Hiram C.) '11. Education.
Klausner, Jennie Vivian, *s*, Chicago. Ph.B. '15. Political Economy.
Kleberg, Rudolph, *s*, Cuero, Tex. A.B. (U. of Texas) '94; A.M. (*ibid.*) '95. German.
Kline, Carrie Gertrude, *a*, Evanston. S.B. (Lewis Inst.) '16. Education.
Kline, Daniel Warren, *s*, University Place, Neb. A.B. (Nebraska Wesleyan U.) '16. Education.
Klinglesmith, Ruth Elizabeth, *s*, Norman, Okla. A.B. (U. of Oklahoma) '16. Botany.
Klotsche, Ernest Heinrich, *s*, Lincoln, Neb. A.M. (U. of Nebraska) '16. Greek.
Knapp, Carl William, *s*, Fulton, Mo. A.B. (State U. of Iowa) '06. Physiology.
Knapp, Clara Blanche, *s*, *a*, *w*, *sp*, Camillus, N.Y. A.B. (Syracuse U.) '99; A.M. (*ibid.*) '09. Home Economics.
Knauer, Eda Dorothea, *s*, Des Moines, Iowa. Ph.B. (State U. of Iowa) '05. German.
Kneale, Lena Ethel, *s*, Madison, Ohio. A.B. (Oberlin C.) '13. Latin.
Kneeland, Hildegarde, *s*, Brooklyn, N.Y. A.B. (Vassar C.) '11. Household Administration.
Knizek, Charles, *s*, Austin, Tex. A.B. (U. of Texas) '15. Philosophy.
Knosker, Helen Maude, *s*, Oshkosh, Wis. S.B. (Northwestern U.) '11. English.
Knott, Myra Powers, *sp*, Chicago. A.B. (Northwestern U.) '06. English.
Knutzen, Julia Pernella, *s*, Kearney, Neb. A.B. (U. of Nebraska) '06. German.
Koch, Hazel Eva, *s*, Rockford. A.B. (Rockford C.) '13. English.
Kochheiser, Max Louis, *s*, Belleville, Ohio. A.B. (Ohio State U.) '15. Political Economy.
Koessler, Jessie Margaret Horton, *a*, *w*, *sp*, Chicago. A.B. (U. of Michigan) '01; M.D. (Rush C.) '04. Physiology.
Koessler, Karl Konrad, *s*, *a*, *w*, *sp*, Chicago. M.D. (Imperial U. of Vienna) '03. Chemistry.
Kohman, Emma Anna, *a*, *w*, *sp*, Dillon, Kan. A.B. (U. of Kansas) '16, Physiology.
Koppius, Otto, *s*, *a*, *w*, *sp*, Chicago. S.B. '13. Physics (fel.).
Kornfeld, Louise Marie, *s*, Louisville, Ky. S.B. (State U. of Kentucky) '07. Geography.
Kracke, Ella Wilhelmina, *s*, Chicago. S.B. (Northwestern U.) '10. Botany.
Kreamer, Laura E., *a*, Arkansas City, Kan. A.B. (U. of Kansas) '05. Bacteriology.
Kress, Laura Louise Miller, *a*, *w*, Chicago. L.B. (U. of Wisconsin) '91. German.
Krotter, Nellie Mary, *s*, Knoxville. A.B. (Knox C.) '01. Romance.
Kruger, Ada Rowena, *s*, Chicago. A.B. '12. Education.
Kuderna, Jerome George, *s*, *a*, *w*, *sp*, Chicago. S.B. (U. of Michigan) '12; A.M. (*ibid.*) '14. Education.
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Kunerth, William, *s*, Ames, Iowa. A.B. (U. of Wisconsin) '04; A.M. (*ibid.*) '10. Physics.

Kurath, Hans, *s, a, w, sp*, Milwaukee, Wis. A.B. (U. of Texas) '14. German (fel.).

Lagergren, Anna Constance, *a, sp*, St. Paul, Minn. Ph.B. in Ed. '10. Romance.

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Lally, Eleanor Mary, *sp*, Chicago. A.B. (U. of Nebraska) '13. Education.

Lambert, Emma Frances, *s*, Cedar Falls, Iowa. M.D. (Iowa State Teachers' C.) 97; Ph.B. (Iowa State U.) '04. Mathematics.

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Lambert, Grace Eunice, *s*, Cedar Falls, Iowa. M.D. (Iowa State Teachers' C.) '04; A.B. (Iowa State U.) '11. English.

LaMer, Victor Kuhn, *s*, Leavenworth, Kan. A.B. (U. of Kansas) '15. Pathology.

Lancaster, Cyrus Newlin, *s*, Carmel, Ind. S.B. (Earlham C.) '15. Education.

Landenburger, Loraine Louise, *s*, St. Louis, Mo. S.B. '15. Chemistry.

Landsberg, Helene Laura, *s*, Naperville. M.D. (Iowa State Teachers' C.) '10; A.B. (*ibid.*) '12; A.M. (State U. of Iowa) '13. History.

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Lange, Edward Gustavus, *s*, Whitewater, Wis. Ph.B. (U. of Wisconsin) '09. Geography.

Langworth, William Franklin, *sp*, Hamilton, N.Y. A.B. (Colgate U.) '87; A.M. (*ibid.*) '90. Botany.

Lanier, Mary Jean, *a, w*, Memphis, Tenn. S.B. '09. Geography.

Larabie, Myrtie Ethel, *s*, Isabel, Kan. A.B. (U. of Kansas) '15. Botany.

Larned, Frances G., *s*, Kalamazoo, Mich. Ph.B. '03. Education.

Larson, Agnes Mathilde, *s*, Northfield, Minn. A.B. (St. Olaf C.) '16. Sociology.

Larson, Ernest Eric, *sp*, Scandia, Kan. S.B. '17. Pathology.

Larson, John Albert, *s*, Chanute, Kan. A.B. (Kansas State Normal S.) '12. Education.

Larson, Olga, *s*, Piedmont, Fla. S.B. (Florida State C. for Women) '14; A.M. (*ibid.*) '15. Mathematics.

Laser, Lucile, *s*, Clarksville, Ark. A.B. (U. of Arkansas) '14. English.

Lasher, George Starr, *s*, Plainwell, Mich. A.B. (U. of Michigan) '11. Education.

Latham, Elsie, *s*, Caledonia, Minn. S.B. (Carleton C.) '11. Mathematics.

Lathrop, Elizabeth Adams, *s*, Madison, Wis. A.B. (Milwaukee-Downer C.) '02. English.

Latimer, Murray, *s*, Clinton, Miss. A.B. (Mississippi C.) '97; A.M. (*ibid.*) '98. Greek.

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Latimer, Wendel Mitchell, *s*, Lawrence, Kan. A.B. (U. of Kansas) '15. Chemistry.

Laube, Frank Joseph, *w*, *sp*, Seattle, Wash. A.B. (U. of Wisconsin) '99; A.M. (U. of Washington) '13. Political Science.

Laughlin, Butler, *w*, Robison, Ind. A.B. (Indiana U.) '14; A.M. (*ibid.*) '17. Education.

Laupus, Myra Trena, *s*, Seymour, Ind. A.B. (Indiana U.) '14. History.

Lavery, Lorna Isabella, *s*, Chicago. A.B. '16. German.

Lawrence, Marion Leyde, *sp*, Barberton, Ohio. S.B. (Wooster C.) '15. Chemistry.

Lawrence, Walter, *w*, *sp*, Metropolis. S.B. '16. Zoölogy.

Leavenworth, Clarence Eldredge, *s*, Cleveland, Ohio. A.B. (Hamilton C.) '09; A.M. (Yale U.) '15. Romance.

Lebenbaum, Alice Wise Kantrowitz, *s*, Chicago. Ph.B. '11. Zoölogy.

Lee, Benjamin Franklin, *s*, Austin, Tex. A.B. (Harvard U.) '13. Mathematics.

Lee, Rosa Ethel, *s*, *a*, *w*, *sp*, Oskaloosa, Iowa. S.B. (Penn C). '14. Philosophy.

Leech, Esther Olive, *a*, Chicago. A.B. '15. General Literature.

Leggett, George Phelps, *a*, *w*, *sp*, Fairfield, Iowa. S.B. (Parsons C.) '14. Chemistry.

Lehman, Daniel Acker, *s*, Goshen, Ind. Ph.B. (Wesleyan U.) '93. Mathematics.

Lehman, Harvey Christian, *s*, Humboldt, Kan. A.B. (U. of Kansas) '12; A.M. (*ibid.*) '13. Education.

Leibovitz, Alex, *s*, Lewisport, Ky. A.B. (Kentucky State U.) '15. Latin.

Leichardt, Nelle Dora, *s*, Wichita, Kan. A.B. (Friends' U.) '15. Home Economics.

Lemkowitz, Julius, *s*, Williams Bay, Wis. S.B. (U. of Mississippi) '15. Astronomy.

Lemmon, Lura Lee, *s*, Warrensburg, Mo. A.B. (U. of Kansas) '07. Latin.

Leonard, Annette, *s*, Manhattan, Kan. A.B. (U. of Kansas) '06. English.

LeVan, William Christian, *s*, Catawissa, Pa. A.B. (DePauw U.) '10; A.M. (U. of Michigan) '14. Botany.

Levey, Harry Barney, *a*, *w*, *sp*, Gary, Ind. A.B. (Indiana U.) '16. Anatomy.

Levy, Augustus, *s*, Geneva, N.Y. S.B. (U. of Pennsylvania) '09. Physiology.

Levy, David Mordecai, *s*, Scranton, Pa. A.B. (Harvard U.) '14. Anatomy.

Lewis, Jacob Kingsland, *w*, Chicago. A.B. (Harvard U.) '11. Anatomy.

Lewis, Louise Finney, *s*, Chicago. A.B. (U. of Michigan) '04. Education.

Lewis, Nannie Meem, *s*, Nashville, Tenn. A.B. (Vanderbilt U.) '09. Physics.

Lewis, Neil Madison, *s*, Ruston, La. A.B. (Louisiana State U.) '12; A.M. (*ibid.*) '13. Political Economy.

Lewis, Ralph Martin, *s*, Morrison. A.B. (U. of Montana) '15. History.

Libonati, Elliodor, *a*, Chicago. Ph.B. '14. Chemistry.

Lieber, Conrad Hugo, *a*, *w*, Jamaica Plain, Mass. S.B. (Massachusetts Agricultural C.) '16. Bacteriology.

Liemert, Johann Ritter von, *sp*, Vienna, Austria. S.B. '16. Political Economy.

Life, Frank M., *w*, Muncie, Ind. S.B. (DePauw U.) '96. Education.

Ligon, Moses Edward, *s*, Lexington, Ky. A.B. (Georgetown C.) '05; A.M. (*ibid.*) '05. Education.

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Lillegard, George Oliver, *a*, *w*, *sp*, Bode, Iowa. A.B. (Luther C.) '08. Philosophy.
Lilly, Faith Ronald, *s*, Chicago. S.B. '13. History.
Lincoln, Grace Bartlett, *s*, Chicago. Ph.B. '02. Geography.
Lind, Esther Charlotte, *a*, Aurora. S.B. (Northwestern U.) '14. English.
Lindley, Frank, *s*, Newton, Kan. A.B. (Southwestern C.) '12. Education.
Lindsay George Clarence, *s*, Hanover, Ind. A.B. (Hanover C.) '99. Romance.
Linebarger, John Andrew, *s*, Rockville, Ind. A.B. (DePauw U.) '97. Education.
Lisenby, Rose Lee, *a*, *w*, *sp*, Meadville, Mo. Ph.B. '16. English.
Little, Gladys May, *s*, Port Huron, Mich. A.B. (Olivet C.) '14. Sociology.
Livingston, Grace Johnson, *s*, Baltimore, Md. Ph.B. '02. German.
Lockett, Wickliffe, *s*, Henderson, Ky. Ph.B. '14. English.
Loeb, Clarence D., *s*, *w*, *sp*, Chicago. A.B. (U. of Missouri) '13. Chemistry.
Logan, Harold Amos, *s*, Amherst, Canada. A.B. (Acadia U.) '12; A.B. (Yale U.) '13. Political Economy.
Logan, John Fremont, *s*, Amherst, Canada. A.B. (Acadia U.) '13; A.M. (*ibid.*) '14; A.M. (Yale U.) '16. Chemistry.
Logan, Ruth Claudia, *s*, Mount Pleasant, Iowa. A.B. (Iowa Wesleyan U.) '15. Romance.
Loh, Z. Ying, *sp*, Changchau, China. Ph.B. '17. Political Economy.
Lommen, Friedrich Wilhelm Manfred, *a*, *w*, *sp*, Vermilion, S.D. A.B. (U. of South Dakota) '15. Chemistry.
Long, Bessie Mae, *a*, *w*, *sp*, Mount Ayr, Iowa. A.B. (Simpson C.) '16. Home Economics.
Long, Royce Reed, *s*, Greeley, Colo. A.B. (Leland Stanford Junior U.) '08. Bacteriology.
Long, William Carl, *s*, Sweet Springs, Mo. A.B. (William Jewell C.) '12. Education.
Loomis, Guy Fred, *s*, Waukesha, Wis. A.B. (Beloit C.) '96; A.M. (*ibid.*) '01. Education.
Lotz, Charles Jacob, *sp*, Chicago. A.B. (Central Wesleyan C.) '10; A.M. (*ibid.*) '14; S.T.B. (Boston U.) '14. Sociology.
Loucks, Lillian Leonia, *s*, Scottdale, Pa. A.B. (Oberlin C.) '14. Education.
Loutzenhiser, Sarah Eula, *s*, Danville. A.B. (U. of Illinois) '13. Education.
Lowe, Cecil Evan, *a*, *w*, *sp*, Severance, Kan. A.B. (Washburn C.) '13. Physiology.
Lowe, Grace Mabel, *s*, Butler, Ind. S.B. (Purdue U.) '13. History of Art.
Lowery, John Glenn, *s*, New Concord, Ohio. S.B. (Muskingum C.) '07. Education.
Lowery, William Renwick, *s*, Hoopeston. A.B. (Muskingum C.) '09. Education.
Lucasse, Florence Johanna, *s*, Kalamazoo, Mich. A.B. '10. Latin.
Ludgate, Harry Joseph, *s*, Wheaton. A.B. (Wheaton C.) '16. Education.
Ludlam, Burt Cornelius, *s*, Wichita, Kan. A.B. (Fairmount C.) '10; A.M. (U. of Kansas) '11. Education.
Luehrs, Lillian, *s*, Minneapolis, Minn. Ph.B. '10. History.
Luehrs, Opal Emma, *s*, Minneapolis, Minn. A.B. '10. German.

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Lund, Alice Henrietta, *s*, Hackberry, Kan. A.B. (U. of Kansas) '14. Education.
Lussky, Herbert Otto, *a*, *w*, *sp*, Ottawa. S.B. '09. Physiology.
Lynch, Carl Vernon, *s*, Baltimore, Md. A.B. (Johns Hopkins U.) '14. Physiology.
Lynn, Edith Leedy, *w*, Chicago. Ph.B. in Ed. '11. History.
Lyon, Leverett Samuel, *s*, *a*, *w*, *sp*, Joliet. Ph.B. '10. Political Economy.
Lyon, Will Ferson, *a*, Chicago. A.B. (Oberlin C.) '11. Physiology.
Lyons, Josephine Anne, *s*, Vermilion, S.D. A.B. (U. of South Dakota). Political Economy.
Lyons, Sarah Agnes, *s*, Vermilion S.D. A.B. (U. of South Dakota) '10. Education.
McAfee, Emma Lee, *s*, Doyline, La. S.B. (Peabody C.) '16. English.
McArthur, Clifford Leslie, *s*, Fayetteville, Ark. S B. (Oklahoma Agricultural and Mechanical C.) '11; S.M. (U. of Idaho) '12. Bacteriology.
McCart, Doris Louise, *sp*, Chicago. A.B. (DePauw U.) '16. English.
MacCaughey, Vaughn, *a*, Honolulu, Hawaii. S.B.A. (Cornell U.) '08. Botany.
MacClintock, Paul, *s*, *a*, *w*, *sp*, Chicago. S.B. '12. Geology (fel.).
McClure, Ernest Lucas, *a*, Fairfield, Iowa. Ph.B. (Parsons C.) '16. Anatomy.
McClure, William Crooks, *s*, Fulton, Mo. A.B. (Central U. of Kentucky) '12; A.M. (Gallaudet C.) '13. Romance.
McClurkin, Lela Myrta, *s*, Morning Sun, Iowa. A.B. (Geneva C.) '13. History.
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McCoy, John Peter, *s*, *a*, Decatur. Ph.B. '13. Education.
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MacDonald, Laura Edna, *s*, Greene, Iowa. Ph.B. '10. History.
McDonald, Mark Antony, *a*, *w*, *sp*, Severy, Kan. S.B. '09. Anatomy.
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McFarlane, Gertrude Cornelia, *s*, Winnifred, Alberta, Canada. A.B. (U. of Montana) '13. Education.
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McGrath, James Frank, *s*, *w*, *sp*, Chicago. S.B. in Ed. '15. Education.
McGuane, Francis Xavier, *s*, Chicago. S.B. '05. Mathematics.
McHugh, Helen Marie, *a*, *w*, *sp*, Kalamazoo, Mich. A.B. (Kalamazoo C.) '16. History.
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McKee, Mary Clarissa, *a, w, sp,* Wilkinsburg, Pa. A.B. (Pennsylvania C. for Women) '07; A.M. (*ibid.*) '08. Home Economics.

McKenzie, Clarinda Laura, *s,* Fond du Lac, Wis. Ph.B. (Beloit C.) '01. Home Economics.

McKenzie, Minnie Elizabeth, *s,* Cincinnati, Ohio. Ph.B. '05. English.

McKenzie, Roderick Duncan, *s,* Winnipeg, Canada. A.B. (Manitoba U.) '12. Political Economy.

McKie, Atha Seay Grace, *a, w,* Northboro, Iowa. S.B. (Tarkio C.) '16. Zoölogy.

McKinnon, Charles, *a, w,* Clinton, Ontario, Canada. A.B. (U. of Toronto) '03. Latin.

McKinsey, James Oscar, *w, sp,* Gazette, Mo. Ph.B. '16. Political Economy.

MacLaggan, Catherine Fraser, *s,* Blue Island. A.B. (Bucknell C.) '06. Romance.

McLain, Madge, *s,* Burlington, Iowa. A.B. (Monmouth C.) '09. Education.

McLaren, David, *a, w, sp,* Toronto, Canada. A.M. (U. of Toronto) '16. Chemistry (fel.).

McLarty, Annie Eliza, *s,* Decatur, Ga. A.B. (Agnes Scott C.) '14. Education.

McLaughlin, George Evert, *s,* Athens, Ohio. S.B. (Ohio U.) '14. Education.

MacLennan, Edgar Allen, *s,* Chicago. A.B. (Dartmouth C.) '04. German.

McMaster, William, *s,* Bellefourche, S.D. A.B. (U. of South Dakota) '14. Education.

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McWhorter, Zella Abigale, *s,* Riverton, Ala. S.B. (Athens C.) '13; S.M. (U. of Alabama) '14. Chemistry.

McWilliams, Minnie Ruth, *s,* Chicago. Ph.B. '15. English.

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Maeser, Sherwin, *s,* Beaver, Utah. A.B. (Brigham Young U.) '09. Chemistry.

Magee, James Edward, *s,* Iowa Falls, Iowa. L.B. (Earlham C.) '96; A.M. (New York U.) '05. Commerce and Administration.

Magginis, Willis Delbert, *s,* Rock Hill, S.C. A.B. (Tri-State C.) '11; A.M. (Columbia U.) '12. Education.

Magnuson, Joseph Simeon, *s, a, w, sp,* Kansas City, Kan. A.B. (Bethany C.) '06; A.M. (U. of Kansas) '14. Latin (fel.).

Maguire, Emily, *s,* St. Louis, Mo. A.B. (U. of Missouri) '07; A.M. (Washington U.) '11. Greek.

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Maguire, Helen Frances, *s*, Mitchell, S.D. L.B. (Iowa State U.) '95. Education.
Mahan, Walter Basil, *s*, Denton, Tex. A.B. (Central U. of Kentucky) '15. English.
Malcomson, Hazel McCreary, *s*, Carthage. A.B. (Carthage C.) '11. Latin.
Malcomson, Robert Hazlett, *s*, Clayton. A.B. (Illinois C.) '09. Education.
Mallonee, Ethel Wallace, *s*, Wichita, Kan. A.B. (Fairmount C.) '14; A.M. (U. of Kansas) '15. Mathematics.
Mallory, Leila Fisk, *w*, *sp*, Chicago. Ph.B. '97. English.
Mangun, Vernon Lamar, *s*, Macomb. A.B. (Cornell C.) '08; A.M. (U. of Iowa) '13. Education.
Manley, Minnie Maude, *s*, Downers Grove. A.B. (U. of Michigan) '05. Education.
Mann, Allie Belle, *s*, Atlanta, Ga. A.B. (Goucher C.) '03. Zoölogy.
Mann, Charles Henry, *s*, Niles, Mich. A.B. (Hillsdale C.) '07. Education.
Mann, Hermine, *s*, *a*, *w*, *sp*, Cleveland, Ohio. A.B. (U. of Michigan) '09. German.
Marion, Waldo Emerson, *s*, Montgomery, Ala. A.B. (U. of Georgia) '05. English.
Maris, Isabel Fletcher, *s*, Berkeley, Cal. S.B. (Ohio State U.) '10; A.B. (*ibid.*) '12. Household Economics.
Maris, Mary Avis, *s*, Lawrence, Kan. A.B. (U. of Kansas) '09. English.
Marsh, Ethel McEwen, *a*, Chicago. A.B. (Grinnell C.) '98. Romance.
Marsh, Ethie Bell, *w*, *sp*, Burton, Wash. A.B. (Fargo C.) '14. Sociology.
Marsh, George Everett, *a*, *w*, *sp*, Chicago. S.B. (Massachusetts Inst. of Technology) '02; E.E. (Armour Inst. of Technology) '09. Geology.
Marshall, Anne, *s*, Lake Geneva, Wis. A.B. (Illinois Woman's C.) '13. English.
Marshall, Brownie Keen, *a*, Chicago. L.B. (Ohio Wesleyan U.) '00. Political Economy.
Marshall, Ellsworth Glensburn, *s*, Laketon, Ind. A.B. (Indiana U.) '14. Chemistry.
Marshall, John Robert, *a*, *w*, *sp*, Ottawa, Canada. A.B. (Ottawa U.) '07; S.B. (Queen's U.) '14. Geology (fel.).
Martin, Olive Kay, *a*, Chicago. Ph.B. '16. Romance.
Martin, Sarah Evelyn, *s*, Glade Spring, Va. A.B. '15. Romance.
Marye, Mary Elizabeth, *s*, Charleston. Ph.B. '14. Education.
Mason, Frederick Rankin, *s*, Atlanta, Ga. A.B. (U. of Florida) '15. Zoölogy.
Mason, Isaac Pierce, *s*, Stockton, Ala. A.B. '10. Physics.
Mathias, Mary Constance, *s*, Chicago. L.B. (U. of Wisconsin) '01. Romance.
Matthaei, Daniel Henry, *s*, Meadville, Pa. Ph.B. '16. German.
Maurer, Siegfried, *w*, *sp*, Eugene, Ore. S.B. (Oregon Agricultural C.) '10. Anatomy.
Maver, Mary Eugenie, *s*, Chicago. S.B. '14. Bacteriology.
Maxwell, Baldwin, *s*, *a*, *w*, *sp*, Charlotte, N.C. A.B. (U. of North Carolina) '15; A.M. (*ibid.*) '15. English (fel.).
Mayne, Louis Brairley, *s*, Camden, Ind. A.B. (U. of Illinois) '10. English.
Mead, Henry Castle Albert, *w*, *sp*, Chicago. Ph.B. '16. Chemistry.
Meader, Edna Belle, *s*, Slayton, Minn. A.B. (Dakota Wesleyan U.) '13. English.

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Meadows, Ada Georgene, *s*, Ipswich, S.D. A.B. (U. of South Dakota) '12; A.M. (Columbia U.) '15. Household Art.
Meeker, William Raymond, *s*, *a*, *w*, *sp*, Hazel Dell. S.B. '15. Anatomy.
Meier, Laura Angelica, *s*, Sheboygan, Wis. A.B. (Ripon C.) '03; A.M. (*ibid.*) '04. English.
Meldrum, George Gilbert, *s*, Provo, Utah. A.B. (Brigham Young U.) '12; A.M. (U. of Utah) '15. English.
Melick, Clark Owen, *s*, *a*, *w*, *sp*, Chicago. S.B. (Ohio University) '10. Bacteriology (fel.).
Melka, Anna Marie, *s*, Chicago. S.B. '12. Education.
Melville, Susan Grace, *s*, Galesburg. S.B. (Knox C.) '13. Education.
Mendenhall, William Orville, *s*, Richmond, Ind. A.B. (Pennsylvania C.) '00; A.M. (*ibid.*) '01. Mathematics.
Menzirs, Isabella MacGregor, *sp*, Janesville, Wis. A.B. (U. of Wisconsin) '07. History.
Merchant, Paul William, *a*, Texarkana, Tex. S.B. '16. Chemistry.
Merrill, Robert Valentine, *a*, *w*, *sp*, Chicago. A.B. (U. of Oxford, England) '16. Romance (fel.).
Merriman, John Riley, *s*, Chicago. S.B. (U. of Illinois) '16. Pathology.
Messenger, Katherine Kelsey, *s*, Blue Island. S.B. (Ohio State U.) '11. Household Art.
Messner, Charles Arthur, *s*, Berea, Ky. A.B. (Washburn C.) '14. Latin.
Metcalf, Ray James, *s*, *a*, *w*, Horatio, Ark. A.B. (U. of Arkansas) '14. Geology.
Meyer, Shelly Rider, *s*, Chicago. Ph.B. '12. Education.
Michelson, Edna Stanton, *w*, Chicago. S.B. '98. Education.
Miles, Lou Ella, *s*, Redfield, S.D. A.B. '08. History.
Miles, Mary Dewhurst, *w*, Mount Carroll. S.B. '01. English.
Miles, Vera Emma, *s*, Sturgeon Bay, Wis. A.B. (Grinnell C.) '04. German.
Miller, Arthur Clair, *s*, Chicago. A.B. (Wabash C.) '11. Botany.
Miller, Douglass Wood, *w*, *sp*, Nappanee, Ind. A.B. (DePauw U.) '16. English.
Miller, Elmer, *s*, American Fork, Utah. A.B. (Leland Stanford Junior U.) '14. Political Economy.
Miller, Emma Francis, *s*, Beloit, Wis. Ph.B. (Beloit C.) '98. Mathematics.
Miller, Ethelwyn, *w*, Franklin, Ind. A.B. (Franklin C.) '94; S.B. (Columbia U.) '06. Household Art.
Miller, Florence Anne, *s*, Chicago. Ph.B. '14. English.
Miller, Fred J., *s*, Waterloo, Iowa. A.B. (Cornell C.) '05. Education.
Miller, George Elmer, *s*, Sterling, Kan. S.B. (U. of Wooster) '10; S.M. (*ibid.*) '11. Chemistry.
Miller, Karl Ferdinand, *s*, Milwaukee, Wis. A.B. (U. of Wisconsin) '09. Education.
Miller, Kate Bell, *a*, Chicago. Ph.B. '02. English.
Miller, Louise, *s*, Lincoln, Neb. A.B. (U. of Nebraska) '03; A.M. (*ibid.*) '05. Education.
Miller, Margaret Emma, *s*, Rush Hill, Mo. A.B. (U. of Missouri) '10; S.B. (*ibid.*) '10. English.
Miller, Marjorie McLeod, *a*, *w*, Chicago. Ph.B. '13. Education.
Miller, Nancy, *s*, *w*, Chicago. A.B. '14. Education.

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Miller, Orion Melvin, *s*, Chicago. A.B. (Indiana U.) '04. Mathematics.
Miller, Shirley Putnam, *a*, *w*, *sp*, Brookings, S.D. S.B. (South Dakota State C.) '03; A.M. (U. of Minnesota) '04. Anatomy (fel.).
Millett, Fred Benjamin, *s*, *a*, *w*, *sp*, Whitman, Mass. A.B. (Amherst C.) '12. English (fel.).
Milligan, Charles H., *s*, Jefferson City, Tenn. S.B. '15. Chemistry.
Millis, Violet, *s*, Chicago. Ph.B. '05. Education.
Mingus, Edna, *s*, Iowa City, Iowa. A.B. (U. of Iowa) '02. English.
Minor, Loyal Leonard, *s*, Aledo. S.B. (U. of Illinois) '13. Education.
Minor, Van Lieu, *a*, *w*, *sp*, Chicago. A.B. (U. of Michigan) '05. Political Economy.
Minoura, Tadachika, *a*, *w*, *sp*, Tokyo, Japan. Diploma (Higher Normal S. of Tokyo) '14. Zoölogy.
Mirrielees, Edith Ronald, *sp*, Stanford University, Cal. A.B. (Leland Stanford Junior U.) '07. English.
Mitchel, Caroline Frances, *s*, North Vernon, Ind. A.B. (Western C.) '09. English.
Mitchell, Reta, *s*, Albany, Mo. S.B. (U. of Missouri) '11. Education.
Mitchell, William Boyd, *s*, Winchester, Ky. A.B. (Hendrix C.) '07. Chemistry.
Moffet, Anna Elizabeth, *s*, *sp*, Chicago. Ph.B. '13. Comparative Religion.
Molander, Charles Oscar, *s*, Chicago. S.B. '14. Anatomy.
Monilaw, Mabel Reynolds, *a*, *w*, Chicago. A.B. (Drake U.) '01. Household Art.
Monk, Ardis Thomas, *w*, Williams Bay, Wis. S.B. '13. Astronomy.
Monk, George Spencer, *a*, *w*, *sp*, Chicago. S.B. '14. Astronomy.
Montgomery, John Howard, *s*, Atlanta, Ga. A.B. (U. of Missouri) '12. Romance.
Moore, Carrie Lou, *s*, Dallas, Tex. A.B. (U. of Texas) '09. English.
Moore, Evelyn Lee, *s*, Lynchburg, Va. A.B. (Randolph-Mason Woman's C.) '06; A.M. (*ibid.*) '07. Latin.
Moore, Mary Alling, *s*, Oskaloosa, Iowa. A.B. (Penn C.) '02. Latin.
Moore, Nettie Terrill, *s*, Lynchburg, Va. Ph.B. '13. Romance.
Moore, Virginia Dardon, *s*, Morrilton, Ark. A.B. (Hendrix C.) '12; A.M. (Vanderbilt U.) '13. Latin.
Moreland, Eleanor Brown, *s*, Morgantown, W.Va. A.B. (West Virginia U.) '98; A.M. (*ibid*) '03. Education.
Morgan, Edward, *s*, Chicago. A.B. (Indiana U.) '05; A.M. (*ibid.*) '07. Mathematics.
Morgan, Flora Etta, *s*, Dallas, Tex. A.B. (Trinity U.) '94. English.
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Morgan, Lawrence Nelson, *s*, Norman, Okla. A.B. (U. of North Carolina) '12; A.M. (Harvard) '16. English.
Morgan, Pearl, *s*, York, Neb. A.B. (Campbell C.) '08. English.
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Morgan, William Sidney, *s*, Greenwood, Ark. A.B. (U. of Arkansas) '08. History.

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Morris, Charles Clements, *s*, Columbus, Ohio. Ph.B. (U. of Michigan) '99; A.M. (Harvard U.) '04. Mathematics.
Morris, Charles Stephen, *s*, Mount Morris. A.B. (Manchester C.) '13; A.M. (Ohio State U.) '15. Physics.
Morris, Inez, *s*, Tecumseh, Kan. A.B. (U. of Kansas) '12. Education.
Morris, Nora Ethel, *s*, Wichita, Kan. A.B. (Friends' U.) '14. Education.
Morris, Roy Lee, *s*, Davilla, Tex. A.B. (Baylor U.) '15. English.
Morrison, Anne Hendry, *s*, Kansas City, Kan. A.B. (U. of Missouri) '14. Education.
Morrow, John Calvin Weir, *s*, Grand Island, Neb. A.B. (Tarkio C.) '10. Physics.
Mosteller, Edna Elizabeth, *s*, Greenville, Tex. A.B. (Baylor U.) '06. English.
Moulton, Helen Muriel, *s*, La Fayette, La. A.B. (Sophie Newcomb C.) '14. English.
Mullenback, Jane, *s*, Albany, Ore. A.B. (U. of Michigan) '03. German.
Mullinix, Raymond David, *a*, *w*, *sp*, Chicago. S.B. '13. Chemistry.
Mulsow, Frederick William, *s*, *a*, *w*, *sp*, Yates Center, Kan. A.B. (Baker U.) '11. Bacteriology.
Munn, Glenn Gaywaine, *s*, Toledo, Ohio. A.B. (U. of Michigan) '14; A.M. (*ibid.*) '15. Political Economy.
Murchie, John Talmadge, *s*, Tarkio, Mo. S.B. (Tarkio C.) '14. Physiology.
Murphy, Florence Hard, *sp*, Chicago. A.B. (Oberlin C.) '07. English.
Murphy, Lawrence Washington, *s*, Magnolia, Ark. S.B. (Vanderbilt U.) '08. Education.
Murray, Alice Maria, *s*, Detroit, Mich. Ph.B. in Ed. '15. Botany.
Murray, Cecelia Elizabeth, *s*, Madison, Wis. S.B. (U. of Wisconsin) '15. Household Art.
Myers, Lynette, *s*, Chicago. A.B. (Austin C.) '04. Botany.
Myers, Rollin Guizot, *s*, New Orleans, La. S.B. (Case S. of Applied Sciences) '01; S.M. (*ibid.*) '09. Chemistry.
Nadean, Flora Louise, *s*, Nadeau, Mich. A.B. (U. of Michigan) '11. Education.
Nash, Clarence Adelbert, *s*, *a*, *w*, *sp*, Danville, Ky. A.B. (Cooper C.) '08; A.M. (U. of Kansas) '10. Chemistry.
Natestad, Harold Delmar, *w*, *sp*, Flandreau, S.D. A.B. '15. Political Economy.
Neddenreip, Orie Oscar, *s*, Leipsic, Ohio. A.B. (Ohio Wesleyan U.) '14. Education.
Neely, Alma Ophelia, *a*, *w*, Comanche, Tex. A.B. (Baylor U.) '11. Latin.
Neifert, Ira Edward, *s*, Galesburg. S.B. (Knox C.) '15; S.M. (*ibid.*) '16. Chemistry.
Neil, Jane Letham, *s*, Chicago. S.B. in Ed. '16. English.
Nellans, Charles Thomas, *w*, Chicago. S.B. '16. Physiology.
Nelson, Andrew, *s*, Newell, Iowa. A.B. (State U. of Iowa.) '15. Education.
Nelson, Elizabeth, *a*, *w*, Minneapolis, Minn. A.B. (U. of Minnesota) '16. History.
Nelson, Ila Irl, *s*, San Marcos, Tex. A.B. (U. of Texas) '10. Mathematics.

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Nelson, Joseph Edward, *s*, San Marcos, Tex. A.B. (U. of Texas) '07. Mathematics.

Nelson, Karl Magnus, *sp*, Chicago. S.B. '17. Bacteriology.

Nelson, Lillian Martin, *s*, San Marcos, Tex. A.B. (U. of Texas) '10. Home Economics.

Nelson, Roy Batchelder, *a*, *w*, *sp*, Oshkosh, Wis. A.B. '01. Greek.

Nelson, William Edwin, *s*, Robinson, Kan. A.B. (Baker U.) '10. Education.

Newby, Jessie D., *s*, Norman, Okla. A.B. (U. of Oklahoma) '10. Latin.

Newcomb, Florence, *s*, Ogden, Utah. A.B. (U. of Nebraska) '00. English.

Nichols, Josephine Edna, *s*, Chicago. Ph.B. '12. Education.

Nichols, William Buchanan, *s*, Philadelphia, Pa. S.B. (Temple U.) '15. Geography.

Nicholson, Florence Maye, *a*, *w*, *sp*, Chicago. A.B. (Dakota Wesleyan U.) '08; A.M. (Columbia U.) '13. English.

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Nienow, Alfred, *s*, *a*, *w*, *sp*, Northfield, Minn. S.B. (Carleton C.) '13. Physiology.

Nims, Herbert Elwin, *s*, Ashburnham, Mass. A.B. (Yale U.) '98. English.

Nisbet, Oliver Martin, *a*, *w*, *sp*, Genesee, Idaho. S.B. (U. of Idaho) '15. Anatomy.

Nixon, Esther Christine, *s*, Granville, Ohio. A.B. (Denison U.) '11. German.

Nixon, Eva Arminta, *s*, Granville, Ohio. Ph.B (Denison U.) '13. German.

Nixon, Helen Marie, *s*, Cameron, Mo. A.B. (Missouri Wesleyan C.) '13; P.B. (Northwestern State Normal S.) '14. Education.

Nixon, Herman Clarence, *w*, *sp*, Merrellton, Ala. Ph.B. '14. History.

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Nonnamaker, Marion Ellsworth, *s*, Naperville. A.M. (Northwestern C.) '96. Chemistry.

Norman, Hilda Laura, *s*, Austin, Tex. A.B. (U. of Texas) '13; A.M. (*ibid.*) '15. Romance.

Northcutt, Clarence Linwood, *a*, *w*, Centralia, Mo. A.B. (U. of Missouri) '14. Sociology.

Northrop, Charles A., *a*, *w*, *sp*, Kankakee. A.B. (Hillsdale C.) '13. Bacteriology.

Nunnamaker, Zelma Marie, *s*, Middletown, Ohio. A.B. (Miami U.) '15. English.

Nye, Arthur Wickes, *s*, Los Angeles, Cal. S.B. (Case S. of Applied Sciences) '04; M.E. (*ibid.*) '07. Physics.

Obenchain, Jeannette Brown, *w*, Chicago. Ph.B. '06. Anatomy.

Oberhelman, Harry Alvin, *a*, *w*, *sp*, Randolph, Kan. S.B. (Northwestern C.) '16. Anatomy.

O'Brien, Earl James, *sp*, Mansfield, Ohio. A.B. (Wittenberg C.) '15. Political Science.

O'Brien, Edward LaRue, *s*, Oak Park. A.B. (U. of Michigan) '11. Physics.

O'Brien, Ruth, *s*, Lincoln, Neb. S.B. (U. of Nebraska) '14; A.M. (*ibid.*) '15. Chemistry.

Obye, Katharine Helen, *s*, Galena. Ph.B. in Ed. '14. English.

O'Connell, Catherine Patricia, *s*, Salina, Kan. A.B. (U. of Iowa.) '15. Romance.

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O'Connell, Mary Germaine, *sp*, La Crosse, Wis. A.B. (C. of Saint Katherine) '14. English.

O'Connor, Edward Bernard, *a*, *w*, *sp*, Tonawanda, N.Y. A.B. (Manhattan C.) '16. Anatomy.

Odebrecht, August, *s*, Granville, Ohio. Ph.B. (Denison U.) '06. Romance.

Oefstedal, Matilda, *s*, Chicago. A.B. (St. Olaf C.) '13. English.

O'Grady, John, *s*, Washington, D.C. A.M. (Catholic U. of America) '13. Sociology.

Oinouye, Yoshichika, *s*, Sapporo, Japan. Rigakushi (Tokyo Imperial U.) '04. Geology.

Older, Margaret Abiah, *s*, Ripon, Wis. A.B. (Ripon C.) '01. German.

Ollorton, Mary Jane, *s*, Provo, Utah. A.B. (Brigham Young U.) '12. Education.

Olney, Frank Hart, *s*, Lawrence, Kan. A.B. (U. of Kansas) '91. Education.

Olsen, Anna Margaret, *s*, Chicago. A.B. (U. of Illinois) '15. Hygiene and Bacteriology.

Olsson, Harry Lenord, *s*, Sewanee, Tenn. A.B. (Bethany C.) '11. Chemistry.

O'Neal, Beatrice Virginia, *s*, Springdale, Ark. A.B. (U. of Arkansas) '15. Romance.

Oppenheimer, Leon Ingraham, *s*, *sp*, Spokane, Wash. A.B. (Leland Stanford Junior U.) '14. Physiology.

O'Rear, Miranda Allen, *s*, Springfield, Mo. S.B. (U. of Missouri) '06; A.B. (*ibid.*) '07. Education.

Ormsby, Lelia Mae, *s*, Greenup. A.B. (U. of Illinois) '14. Chemistry.

O'Rourke, Donald Hunter, *s*, Fort Wayne, Ind. S.B. (U. of Michigan) '15. Pathology.

Orth, Raymond Emerson, *a*, *w*, Walla Walla, Wash. S.B. (Whitman C.) '16. Anatomy.

Osborn, Edith Marian, *a*, *w*, *sp*, Winnebago. A.B. (Rockford C.) '15. Mathematics.

Ossewaarde, Delia, *a*, *w*, *sp*, Zeeland, Mich. A.B. (Hope C.) '13. English.

Ottosen, Elsie Thompson, *s*, Chicago. Ph.B. '14. Geography.

Oury, Marie Louise, *s*, Chicago. Ph.B. '10. History.

Outwater, Kate Sorrell, *s*, Washington, D.C. A.B. (George Washington U.) '13; S.M. (*ibid.*) '15. Geography.

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Packard, Helen Miriam, *s*, *a*, Bloomington. A.B. (Illinois Wesleyan U.) '14. English.

Paddock, Mildred Bangs, *s*, Kansas City, Mo. (U. of Kansas) '03. German.

Pafford, Harvey Etheridge, *s*, Milledgeville, Ga. A.B. (Emory C.) '10. English.

Pahlman, Ida May, *s*, Chicago. Ph.B. '03. Philosophy.

Palmer, Bertha Gertrude, *s*, Kent, Ohio. A.B. (Western C. for Women) '11. Romance.

Palmer, Emily Godfrey, *s*, Salem, Ore. A.B. (Colorado C.) '06. Mathematics.

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Park, Howard Robertson, *s*, Bryans Mill, Tex. A.B. (Southern U.) '10. Mathematics.
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Parker, Edith Putnam, *a*, *w*, *sp*, Rochester. Ph.B. '13. Botany.
Parker, Eleanor Ophelia, *s*, Chicago. A.B. '05. Geography.
Parker, Leon Vaser, *s*, *a*, *w*, *sp*, Minot, N.D. A.B. (Bowdoin C.) '06. Zoölogy.
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Parsons, Andrew Clarkson, *s*, Norman, Okla. A.B. (U. of Nebraska) '03. Education.
Parsons, Lorenzo Ray, *s*, Kirwin, Kan. A.B. (Kansas Wesleyan U.) '15. Physics.
Pattengill, Ernest Alanson, *s*, Ames, Iowa. S.B. (Cornell U.) '99. Mathematics.
Pattie, Nell Turrell, *a*, Garnett, Kan. A.B. (Ottawa U.) '12. History.
Pattison, Muriel Aldrich, *s*, Webster, Mass. A.B. (Wellesley C.) '15. Latin.
Patton, Ruth, *a*, *w*, Clarence. A.B. (Illinois Woman's C.) '16. Education.
Paugh, Muriel MacFarland, *s*, Paola, Kan. A.B. (Scio C.) '07. English.
Peacock, Erle Ewart, *s*, Barnesville, Ga. A.B. (U. of Georgia) '14. Political Economy.
Peak, Emma Grace, *s*, Muskogee, Okla. A.B. (Kingfisher C.) '13. Zoölogy.
Pearce, Daniel Wilson, *s*, Orono, Me. A.B. (Indiana U.) '10; A.M. (*ibid.*) '12. Education.
Pearce, Elizabeth Gertrude, *s*, Oswego. S.B. (Northwestern U.) '08; A.M. (*ibid.*) '14. History.
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Pearsall, Charles Roy, *a*, *w*, Port Byron. A.B. (Knox C.) '96. Anatomy.
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Pearson, Florence Agnetta, *s*, Chicago. A.B. (U. of Texas) '15. History.
Pease, Raymond Burnette, *s*, Loraine, Wyo. A.B. (U. of Wisconsin) '00; A.M. (Harvard U.) '05. English.
Peet, Charles Emerson, *s*, *a*, Chicago. S.B. (U. of Wisconsin) '92. Botany.
Peet, Julia Dumke, *s*, Chicago. Ph.B. '98. German.
Peine, Arthur Frederick, *s*, Minier. A.B. (Illinois Wesleyan C.) '11; A.M. (U. of Illinois) '13. History.
Pellett, Sarah Frances, *sp*, Chicago. A.B. (Smith C.) '82. English.
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Pence, George Billings, *s*, Columbus, Ind. S.B. (Hanover C.) '01; A.M. (*ibid.*) '09. Philosophy.
Pendleton, Tivis Abraham, *a*, Cicero, Kan. A.B. (Fairmount C.) '16. Physiology.
Pengelly, Jane May, *s*, Dodgeville, Wis. A.B. (U. of Wisconsin) '13. Natural Science.
Penick, Grider, *s*, Marshall, Mo. A.B. (Missouri Valley C.) '15. Chemistry.
Penick, John Moore, *s*, Marshall, Mo. A.B. (Princeton C.) '85; A.M. (*ibid.*) '00. Physics.

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Penick, Katherine Sue, *s*, Marshall, Mo. A.B. (Missouri Valley C.) '15. English.

Pennington, William Lee, *s*, Owensboro, Ky. A.B. (U. of Kentucky) '01; A.M. (Indiana U.) '12. Mathematics.

Pennock, Della Breyfogle, *s*, Baldwin, Kan. A.B. (Baker U.) '10. Public Speaking.

Pennock, Florence Elanore, *s*, Baldwin, Kan. A.B. (Baker U.) '10. English.

Perce, Elsie Gertrude, *s*, Anderson, Ind. Ph.B. '13. English.

Perlitz, Lina, *s*, San Antonio, Tex. A.B. (U. of Texas) '06. Romance.

Perrine, Alma Leita, *s*, Mitchell, Neb. A.B. (Cotner U.) '11. English.

Perry, Rufus, *s*, Brownwood, Tex. A.B. (Baker C.) '07; A.B. (U. of Texas) '12. Education.

Person, Margaret Strong, *s*, Chicago. A.B. (Wellesley C.) '07. English.

Peters, Albert Grover, *s*, *a*, Gibson City. S.B. '16. Physiology.

Peters, Emma Bertha, *s*, Muncie, Ind. A.B. (Indiana U.) '11. Latin.

Petersen, Max Heinrich, *s*, Dundee. S.B. (Northwestern U.) '13; A.M. (*ibid.*) '14. Astronomy.

Peterson, Olive Mary, *s*, Chicago. A.B. (Park C.) '15. Education.

Peterson, Vincent Roy, *s*, Johnstown, Pa. A.B. (Mount Union C.) '15. Botany.

Petry, Emery Herbert, *s*, Evanston. A.B. (Miami U.) '11. Education.

Pettay, William Alton, *s*, Inland, Ohio. A.B. (Franklin C.) '16. Education.

Petty, Dewitt Talmage, *s*, Sumner. B.Ed. (Illinois State Normal U.) '14. Education.

Phelps, Jessie, *s*, *sp*, Ypsilanti, Mich. S.M. (U. of Michigan) '98. Bacteriology.

Phetteplace, Gladys Irene, *a*, *sp*, Detroit, Mich. A.B. (Kalamazoo C.) '16. Sociology.

Phetzing, Amelia Caroline, *a*, *w*, *sp*, Lexington, Mo. Ph.B. '16. English.

Philbrick, Mary Dorothy, *a*, *w*, *sp*, Chicago. Ph.B. '14. Romance.

Phillips, Ernest Churchill, *s*, Evanston. A.B. (Central C.) '00; M.E. (U. of Missouri) '10. Education.

Phillips, Jessie Eda, *a*, Topeka, Kan. A.B. (Washburn C.) '12. History.

Phillips, Mathew Dalton, *s*, Dalton, N.C. S.B. (Wake Forest C.) '14. Mathematics.

Phillips, Oscar Byron, *s*, Flandreau, S.D. S.B. (Dakota Wesleyan U.) '13. Education.

Phillips, Thomas Guthrie, *s*, Columbus, Ohio. S.B. (Ohio State U.) '12; S.M. (*ibid.*) '13. Botany.

Phillips, Velma, *s*, Galesburg. Ph.B. '15. Household Art.

Philpott, Charles Wescott, *s*, Chadron, Neb. S.B. (U. of Nebraska) '96; A.M. (*ibid.*) '98. Physics.

Picken, Samuel Carson, *w*, Des Moines, Iowa. A.B. (Monmouth C.) '06. Education.

Pierce, Angie Garfield, *s*, Manchester, Iowa. A.B. (Upper Iowa U.) '13. History.

Pierce, Bessie Louise, *s*, Mason City, Iowa. A.B. (State U. of Iowa.) '10. History.

Pierce, Genevieve Elizabeth, *s*, *a*, *w*, *sp*, Grand Island, Neb. A.B. (Grand Island C.) '13. English.

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Pieters, Aleida Johanna, *s*, Oshkosh, Wis. A.B. (U. of Michigan) '08. History.
Pietsch, Dorothea Johanna Sophie, *s*, Chicago. A.B. (Northwestern U.) '08; A.M. (*ibid.*) '09. German.
Pile, William Albert, *s*, San Angelo, Tex. A.B. (U. of Texas) '09. Education.
Pindell, Isaac Lee, *s*, Lexington, Ky. A.B. (Transylvania C.) '15. History.
Pippin, John Granberry, *s*, Little Rock, Ark. A.B. (Vanderbilt U.) '09; LL.B. (U. of Arkansas) '13. History.
Pittman, Mary Cowper, *s*, Union Springs, Ala. A.B. (U. of Alabama) '05; A.M. (*ibid.*) '06. English.
Place, Jesse Alfred, *s*, Athens, Ohio. A.B. (Ohio U.) '13; A.M. (*ibid.*) '15. Geology.
Plummer, Vernon Clyde, *s*, Elmhurst. S.B. (Purdue U.) '11. Education.
Poage, George Rawlings, *sp*, Paris, Mo. Ph.B. '16. History.
Pointer, Perry Dallas, *s*, Advance, Ind. A.B. (Wabash C.) '11. Education.
Polock, Mary Elizabeth, *s*, Marysville, Kan. A.B. (U. of Kansas) '11. English.
Pond, Gilbert Palmer, *s*, *a*, *w*, *sp*, State College, Pa. S.B. (Pennsylvania State C.) '15. Physiology.
Pond, Walter Allen, *s*, Linworth, Ohio. A.B. (Ohio U.) 11; S.B. in Ed. (Ohio Normal C.) '13. Latin.
Popoff, Stephen, *s*, Dubuque, Iowa. B.C. (Cornell U.) '12. Chemistry.
Porter, Charley Lyman, *s*, Chicago. S.B. (Illinois Wesleyan U.) '11. Geology.
Porter, Gaston Arthur, *s*, Austin, Tex. A.B. (U. of Texas) '11. Education.
Porter, Kirk Harold, *a*, *w*, *sp*, Waukegan. A.B. (U. of Michigan) '14; A.M. (*ibid.*) '14. Political Science.
Potter, Cora, *s*, Morrison. A.B. (Northwestern U.) '15. English.
Potter, Doris Helen, *a*, *w*, *sp*, Neenah, Wis. A.B. (Ripon C.) '16. English.
Potts, Frank Glenn, *s*, Columbia, S.C. A.B. (South Carolina C.) '05. German.
Powell, Homer King, *s*, West Lafayette, Ind. S.B. '07. Physics.
Powell, Leona Margaret, *s*, *a*, *sp*, Columbus, Ohio. A.B. (Ohio Wesleyan U.) '05. Political Economy.
Powell, Mary Louise, *a*, *w*, *sp*, Jacksonville. A.B. (Illinois Woman's College) '15. Political Economy.
Powell, Park, *s*, Fulton, Ky. A.B. (U. of Missouri) '08; S.B. in Ed. (*ibid.*) '08. Romance.
Prall, Charles Edward, *s*, Lamoni, Iowa. A.B. (U. of Iowa) '12. Education.
Pratt, Joseph Dover, *s*, Vandergrift, Pa. A.B. (Allegheny C.) '08. History.
Pratt, Ruth Bernice, *s*, Waukon, Iowa. S.B. (Des Moines C.) '16. Home Economy.
Preston, Amy Frances, *s*, Knoxville, Tenn. A.B. (U. of Texas) '06; A.M. (U. of Columbia) '13. Physics.
Prichard, Alice Lisle, *s*, Atlanta, Ga. S.B. in Ed. '16. Education.
Pringle, Louisa, *s*, *w*, Muskegon, Mich. Ph.B. '15. German.
Pritchard, Helen, *s*, Gary, Ind. A.B. (Ohio Wesleyan U.) '11. Education.
Proffitt, Maris Marion, *s*, Franklin, Ind. Ph.B. (Franklin C.) '05. Education.
Prosser, Ruth Warning, *a*, *w*, *sp*, Chicago. Ph.B. '16. Philosophy.
Pulsifer, Harrie Bridgeman, *s*, *a*, *w*, *sp*, Chicago. S.B. (Massachusetts Inst. of Technology) '03; Ch.E. (Armour Inst. of Technology) '15. Chemistry.
Pyles, Miner Raymond, *s*, Princeton, Kan. A.B. (Baker U.) '11. Chemistry.

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Pyne, Edward Fanning, *s*, Chicago. A.M. (Taylor U.) '03; A.M. (Ohio State U.) '12. History.

Quick, Oscar, *s*, Maywood. A.B. (Harvard U.) '95; A.M. (*ibid.*) '96. Chemistry.

Quickstead, Nathaniel Janarius, *s*, St. Cloud, Minn. A.B. (U. of Minnesota) '14. Education.

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Quillan, Marvin Clark, *s*, Macon, Ga. A.B. (Emory C.) '95; A.M. (Vanderbilt U.) '00. Botany.

Rabe, Will Conrad, *s*, Alta Vista, Iowa. A.B. (Upper Iowa U.) '15. Education.

Radford, Alice Evelyn, *s*, Chicago. Ph.B. '08. Romance.

Ragsdale, Laurie Nichols, *s*, Waco, Tex. A.B. (U. of Texas) '13. History.

Raines, Ada, *s*, Raines, Tenn. S.B. (Vanderbilt U.) '11. Romance.

Rainey, Clarence Wager, *sp*, Pueblo, Colo. S.B. '17. Chemistry.

Ramsdale, Mary, *s*, Wichita, Kan. A.B. (Friends' U.) '14. English.

Ramsey, Arthur, *s*, Grove City, Pa. A.B. (Grove City C.) '13. Mathematics.

Randall, Bertha Augusta, *s*, Ogden, Iowa. L.B. (U. of Minnesota) '01. English.

Randall, Wayne Pearson, *s*, Wakefield, Kan. A.B. (Baker U.) '15. Education.

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Ratliff, Mary Louise, *s*, Lyons, Kan. A.B. (Earlham C.) '11. Romance.

Rawlins, Ora Anson, *a*, *w*, *sp*, Aurora. A.B. (Indiana U.) '01; A.M. (*ibid.*) '07; A.M. (Columbia U.) '14. Anatomy.

Raymond, Reginald Irving, *s*, *a*, *w*, Sewanee, Tenn. S.B. (Tulane U.) '05; A.B. (*ibid.*) '10; A.M. (U. of the South) '12. Philosophy (fel.).

Reagan, Walter Freemont, *s*, Bridgeport, Ind. A.B. (DePauw U.) '10; Zoölogy.

Records, Ralph LaFayette, *s*, Edinburg, Ind. Ph.B. (Franklin C.) '08; A.M. (Transylvania U.) '10. Chemistry.

Redenbaugh, Marcellus Marcus, *s*, Tabor, Iowa. A.B. (Tabor C.) '07. Education.

Redifer, Florence, *s*, Terre Haute, Ind. A.B. (Indiana State Normal C.) '14. Education.

Reed, Bessie Davis, *s*, Beloit, Wis. A.B. (Beloit C.) '13. History.

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Reed, Clayton Evarts, *s*, Louisville, Ky. A.B. (U. of Wooster) '96; A.M. (*ibid.*) '99. Education.

Reed, Maud Josephine, *s*, Topeka, Kan. A.B. (Washburn C.) '12. Botany.

Reed, Ralph Alton, *s*, Winston-Salem, N.C. A.B. (U. of North Carolina) '14. Education.

Reeder, Ward Glen, *s*, New Carlisle, Ind. A.B. (Indiana U.) '14. Education.

Reeg, Cloyd Martin, *s*, Findlay, Ohio. A.B. (Wittenberg C.) '07. Chemistry.

Rees, Forest Ray, *s*, Norman, Okla. A.B. (U. of Wooster) '08. Geology.

Reeve, Roscoe Hulen, *sp*, Edwardsport, Ind. S.B. '17. Pathology.

Regier, Cornelius C., *s*, Moundridge, Kan. A.B. (U. of Kansas) '11; A.M. (*ibid.*) '12. Political Economy.

Reighard, John Jacob, *s*, Ann Arbor, Mich. A.B. (U. of Michigan) '13. Political Science.

Reiman, Rosalind Felicia, *s*, New Orleans, La. A.B. (Sophie Newcomb C.) '13. English.

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Reinertsen, Bernhard Reynold, *s*, Elk Point, S.D. A.B. (Augustana C.) '14. Pathology.
Remspear, Opal Emilia, *s*, Wichita, Kan. A.B. (Friends' U.) '13. Sociology.
Renken, Bertha, *s*, Austin, Tex. A.B. (U. of Texas) '15. German.
Renwick, Ruth Margaret, *s*, Chicago. Ph.B. in Ed. '12. Education.
Reticker, Ruth, *s*, *sp*, Chicago. Ph.B. '12. Political Economy.
Reynolds, Lynden Eugene, *s*, Grape Island, W.Va. S.B. (West Virginia U.) '14. Education.
Rhoads, Freeman Jefferson, *a*, *w*, Des Moines, Iowa. A.B. (Des Moines C.) '16. Commerce and Administration.
Rhodes, Claude Chloe, *s*, Washington, Ind. S.B. (Franklin C.) '09. Chemistry.
Rice, Burney, *s*, Marshall, Mo. A.B. (Missouri Valley C.) '14. Latin.
Rice, Harry Ernest, *s*, Rainier, Ore. S.B. '16. Chemistry.
Rice, John Andrew, *s*, *a*, *w*, *sp*, St. Louis, Mo. A.B. (Tulane U.) '11; A.B. (Oxford U.) '14. Latin.
Rich, Chester Lacount, *a*, Medford, Mass. A.B. (Boston U.) '15; A.M. (*ibid.*) '16. Political Economy (fel.).
Richards, Arthur Lee, *s*, Elk City, Okla. A.B. (U. of Oklahoma) '13. History.
Richards, James Taylor, *a*, *w*, *sp*, Chicago. C.E. (Rensselaer Polytechnic Inst.) '15. Geology.
Richardson, Maurice Leonard, *s*, Cleveland, Ohio. S.B. (U. of Wisconsin) '10; S.M. (*ibid.*) '11; M.D. (Johns Hopkins U.) '13. Chemistry.
Richardson, Rupert Norval, *s*, Caddo, Tex. Ph.B. '14. Political Science.
Richardson, William Leeds, *s*, *a*, *w*, *sp*, Edmonto Alto, Canada. A.B. (U. of Toronto) '11. Education (fel.).
Riddle, Lilian, *a*, *w*, Mattoon. A.B. (U. of Illinois) '13. History.
Ridenour, Harry Lee, *s*, New Lexington, Ohio. A.B. (Ohio U.) '12; A.M. (Harvard U.) '13. English.
Rider, Stephen Hendrix, *s*, Waco, Tex. A.B. (Baylor U.) '14; A.M. (Brown U.) '15. History.
Ridlon, Margaret, *a*, Chicago. S.B. (Simmons C.) '12. Romance.
Ries, Clara Elizabeth, *s*, *sp*, Cincinnati, Ohio. A.B. (U. of Cincinnati) '11. Education.
Rifenbark, Howard Hartsough, *s*, White Lake, S.D. S.B. (Huron C.) '09. Education.
Riggs, Ora Bell, *s*, Runge, Tex. A.B. (U. of Texas) '10. History.
Riner, Alice, *s*, Wichita, Kan. A.B. (Friends' U.) '16. Mathematics.
Ripperton, Florence, *s*, Wichita, Kan. A.B. (Fairmount C.) '09. History.
Rising, Mary Meda, *a*, *w*, *sp*, Ainsworth, Neb. A.B. (Mount Holyoke C.) '12. Home Economics.
Roberts, Dorothy Bradley, *s*, Chicago. Ph.B. '12. Latin.
Roberts, Edward Noel, *a*, *w*, *sp*, Wind River, Wyo. A.B. (U. of Wyoming) '11; A.B. (U. of Oxford) '13. Chemistry.
Roberts, Francis Newell, *s*, Towanda. Ph.B. '13. History.
Roberts, Helen Rosalie, *s*, St. Peter, Minn. A.B. (Gustavus Adolphus C.) '08. English.
Roberts, Margaret Katharine, *s*, Minneapolis, Minn. A.B. (U. of Minnesota) '15. History.

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Roberts, Mary Agnes, *a, w, sp*, Trenton, Mo. A.B. (Drake U.) '15. Psychology.
Roberts, Nelle Edith, *s*, Clearwater, Kan. A.B. (Southwestern C.) '14. English.
Roberts, Robert Herbert, *s*, Calgary, Canada. A.B. (McMaster U.) '07; A.M. (*ibid.*) '08. Sociology.
Robertson, Elizabeth Gregory, *s*, Louisville, Ky. Ph.B. '08. English.
Robertson, Louise, *s*, Louisville, Ky. S.B. '14. Education.
Robey, Grace Lucile, *s*, Davidson, Okla. A.B. (U. of Oklahoma) '15. English.
Robey, Winifred, *s*, Davidson, Okla. A.B. (U. of Oklahoma) '13. Mathematics.
Roe, Clara Strong, *sp*, Chicago. Ph.B. '10. Physiology.
Rogers, Fred Benson, *s*, Cherokee, Iowa. A.B. (Morningside C.) '12. Physics.
Rogers, Thomas Hunton, *s*, Danville, Ky. A.B. (Central U.) '14. Physics.
Romans, Hal James, *s*, Marble Rock, Iowa. A.B. (Grinnell C.) '14. Education.
Roney, Josephine Warren, *s*, Burlington, Iowa. Ph.B. '12. History.
Ronge, Maria Louisa, *s*, Nynashanm, Sweden. Filosophie Kandidate of Uppsala and Gothenburg, Sweden. German.
Rose, Helen, *s*, Rosedale, Kan. A.B. (U. of Kansas) '13. Home Economics.
Roseboom, Benjamin Brokaw, *s*, East Lansing, Mich. S.B. (Hamilton C.) '08. Physiology.
Rosenbluth, Celia, *s*, Chicago. Ph.B. in Ed. '15. German.
Rosenheim, Ethel, *a, w, sp*, Chicago. S.B. '14. Anatomy.
Ross, Alberta Katharyne, *s*, Slater, Mo. Ph.B. '16. Sociology.
Ross, Bessie Garnett, *s*, Slater, Mo. S.B. '16. Chemistry.
Ross, Herbert Weed, *s*, Cumberland Gap, Tenn. S.B. (Columbia U.) '13. Geology.
Rossbacher, Henry John, *a, w, sp*, Chicago. S.B. (Purdue U.) '12. Physics.
Rothrock, Edgar Paul, *a, w, sp*, Cleveland, Ohio. A.B. (Oberlin C.) '12; A.M. (*ibid.*) '14. Geology (fel.).
Rowe, Florence Edna, *s*, Dallas, Tex. A.B. (U. of Texas) '98; A.M. (*ibid.*) '00. English.
Ruby, Pearle Ethel, *s*, Des Moines, Iowa. A.B. (Drake U.) '15. Home Economics.
Rudolph, Mary Frances, *s*, Arkadelphia, Ark. A.B. (Barnard C.) '15. English.
Ruhe, Lida A., *s*, Greensburg, Pa. A.B. (Geneva C.) '14. English.
Runge, Ralf Thiele, *s*, Baraboo, Wis. A.B. (U. of Wisconsin) '14; A.M. (*ibid.*) '15. German.
Rupp, Ralph George, *s*, Hammond, Ind. A.B. (Oberlin C.) '07. Physics.
Russell, Frank Barron, *s, a*, Jefferson City, Mo. Ph.B. '12. English (fel.).
Russell, Walter Charles, *s*, Bellaire, Ohio. S.B. (Ohio Wesleyan U.) '14. Chemistry.
Ryan, Cora Blanche, *a, w*, Letcher, S.D. L.B. (Dakota Wesleyan U.) '13. English.
Ryan, Sister Mary John, *s*, St. Paul, Minn. A.B. (St. Catherine's C.) '16. Chemstry.
Ryker, Blanche Avon, *s*, Normanda, Ind. A.B. (Butler C.) '10. English.
St. George, Ida, *s*, Chicago. A.B. (Boston U.) '97; A.M. (*ibid.*) '07. Sociology.
Salisbury, Ralph Dewey, *s*, Chicago, Ill. S.B. (Massachusetts Inst. of Technology) '14. Physics.
Salter, Pearl, *w*, Chicago. Ph.B. in Ed. '16. Education.
Samsel, Eva May, *s*, Tate, Tenn. A.B. (Maryville C.) '14. English.

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Sanders, Hazel Marguerite, *s*, Wichita, Kan. A.B. (Fairmount C.) '14. English.
Sanders, Mary Terrell, *a*, Iowa City, Iowa. A.B. (State U. of Iowa) '13. Sociology.
Sanders, Walter Frederick, *s*, Parkville, Mo. A.B. '09. German.
Sanderson, Ezra Dwight *s*, *a*, *w*, *sp*, Chicago. S.B. (Michigan Agricultural C.) '97; S.B. (C. of Agriculture, Cornell U.) '98. Sociology (fel.).
Sargent, Noel Gharrett, *a*, *w*, *sp*, Seattle, Wash. A.B. (U. of Washington) '15; A.M. (U. of Minnesota) '16. Political Science (fel.).
Sass, Dorothy May, *s*, Chicago. A.B. (U. of Michigan) '02. History.
Sauerhering, Rudolph Leopold, *s*, Mayville, Wis. Ph.B. '10. Romance.
Sawyer, Edna Clark, *s*, Menominee, Mich. S.B. (Lewis Inst.) '13. Education.
Schaefee, John William, *s*, Naperville. A.B. (Northwestern C.) '16. English.
Schaefer, Hedwig Sophie, *s*, St. Petersburg, Fla. A.B. (Radcliffe C.) '03. Romance.
Schaeffer, Frank Frederick, *s*, Yankton, S.D. A.B. (Yankton C.) '95; A.M. (U. of South Dakota) '15. German.
Scharpenstein, Florence Bertha, *s*, Chicago. Ph.B. '16. Education.
Schauffler, Mary, *s*, Philadelphia, Ohio. A.B. (C. for Women, Western Reserve U.) '10. Education.
Scheie, Leif Ericson, *s*, Williamsburg, Va. A.B. (William and Mary C.) '14. History.
Schell, Albert Leslie, *s*, *a*, Wichita, Kan. S.B. (U. of Kansas) '09; A.B. (Friends' U.) '11. Botany.
Schenfler, Lena Elizabeth, *s*, Ellinwood, Kan. A.B. (Ottawa U.) '12. German.
Schenk, Otto, *s*, Chicago. A.B. (U. of Michigan) '08; S.M. (*ibid.*) '09. Chemistry
Schepmoes, Charles H., *s*, Charlottesville, Va. A.B. (William and Mary C.) '13; A.M. (*ibid.*) '14. Chemistry.
Schlaifer, Osher, *s*, Vermilion, S.D. A.B. (U. of Nebraska) '03. Education.
Schmalzried, Mary D., *s*, McPherson, Kan. A.B. (U. of Kansas) '10. English.
Schmidt, Dorothea Charlotte, *a*, *w*, Chicago. Ph.B. '16. Commerce and Administration.
Schmidt, Lydia Marie, *s*, Chicago. Ph.B. '01. German.
Schmidt, William Gustave, *s*, Philadelphia, Pa. S.B. (U. of Pennsylvania) '13. Physiology.
Schmidtke, Henry John, *a*, *w*, *sp*, Mount Vernon, Mo. A.B. (Central Wesleyan C.) '15. Education.
Schmitt, Edwin Christian, *s*, Moundridge, Kan. A.B. (U. of Kansas) '12; A.M. (*ibid.*) '13. Anatomy.
Schmoll, Hazel Marguerite, *s*, Ward, Colo. A.B. (U. of Colorado) '13. Botany.
Schnacke, Ruth, *s*, Topeka, Kan. A.B. (Washburn C.) '10. General Literature.
Schnoor, Erna Marie, *sp*, Chicago. Ph.B. in Ed. '16. Household Administration.
Schons, Emily, *a*, *w*, *sp*, St. Paul, Minn. A.B. (U. of Minnesota) '08. German.
Schott, John Edward, *a*, *w*, *sp*, Silver Creek, Neb. S.B. (U. of Nebraska) '14; A.M. (*ibid.*) '15. Chemistry (fel.).
Schoultz, Frank Henry, *s*, Joliet. S.B. '14. Chemistry.
Schroyer, Charles Ross, *a*, *w*, *sp*, Fort Recovery, Ohio. A.B. (Ohio State U.) '12; A.M. (*ibid.*) '14. Geology.

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Schultz, Alexander Herman, *s*, Chicago. Ph.B. '15. Romance.
Schulze, Emma Johanna, *a*, *w*, Portage, Wis. A.B. (U. of Wisconsin) '11. German.
Schwab, Mabel Lloyd, *s*, *a*, Milwaukee, Wis. A.B. (U. of Wisconsin) '14. English.
Schwartz, Clara, *s*, Haselton, Pa. A.B. (Wellesley C.) '09. English.
Schwartz, Ernest George, *s*, Chicago. A.B. (Northwestern C.) '15. History.
Schwartz, Otto Julius, *s*, Chicago. S.B. in A. (U. of Illinois) '12. Education.
Scollay, Robert James, *a*, *w*, *sp*, Chicago. S.B. (Northwestern U.) '16. Chemistry.
Scott, Anna Louise, *s*, Lansing, Mich. Ph.B. '13. English.
Scott, Robert Douglas, *s*, Lincoln, Neb. S.B. (Kansas State Agricultural C.) '04; A.M. (U. of Nebraska) '10. English.
Scoville, F. Willard, *s*, Princeton, Kan. S.B. (Ottawa U.) '15. Chemistry.
Scrimgeour, William George, *s*, Regina, Saskatchewan, Canada. A.B. (U. of Toronto) '07; A.M. (*ibid.*) '08. Physics.
Seaton, Oliver Ernest, *s*, Urich, Mo. Ph.B. '14. Education.
Seeley, Esther Beulah, *s*, Normal. A.B. (U. of Illinois) '14. Education.
Semler, Charles Alvin, *s*, Cambridge City, Ind. S.B. (Earlham C.) '15. Education.
Sessions, Romaine, *a*, *w*, Los Angeles, Cal. S.B. (U. of California) '15. Botany.
Severeide, Albert Larson, *a*, *w*, Sutherland, Iowa. A.B. (Grinnell C.) '15. Anatomy.
Seymour, Ninuzza, *a*, Chicago. Ph.B. '15. English.
Shaffer, Earl William, *a*, *w*, *sp*, Bridgeport. S.B. (Illinois C.) '16. Anatomy.
Shank, Josephus Wenger, *s*, La Junta, Colo. A.B. (Goshen C.) '10. English.
Sharp, Harry Morrison, *s*, *a*, *w*, *sp*, Curve, Tenn. A.B. (Vanderbilt U.) '06. Physics.
Shaw, Ella May, *sp*, Memphis, Mo. Ph.B. '15. Latin.
Sheaff, Howard Martin, *s*, *a*, *w*, *sp*, Hastings, Neb. A.B. (U. of Nebraska) '10. Physiological Chemistry (fel.).
Sheets, Olive Amy, *sp*, Columbus, Ohio. S.B. (Ohio State U.) '10; S.M. (U. of Wisconsin) '14. Physiological Chemistry.
Shepherd, Grace Maria, *a*, *w*, *sp*, Boise, Idaho. A.B. (Hastings C.) '94. Education.
Shepherd, Homer Paul, *s*, Atchinson, Kan. S.B. (Baker U.) '05. Education.
Shepherd, Nina Irving, *a*, *w*, *sp*, La Plata, Mo. Ph.B. (Missouri Valley C.) '04. Education.
Sheppard, Edwin Telfer, *s*, Sioux City, Iowa. A.B. (Iowa State Teachers' C.) '11. Education.
Sherman, Adaline, *a*, *sp*, Cleveland, Ohio. A.B. (Western Reserve U.) '06. Education.
Sherman, Catharine, *s*, Shawnee, Okla. A.B. (U. of Oklahoma) '14. History.
Sherman, Nettie Parminter, *s*, Bethany, Neb. A.B. (Cotner U.) '14. Education.
Sherrill, Jane Bentley, *s*, Madison, Wis. L.B. (U. of Wisconsin) '02. History.
Shields, Gertrude Margaret, *s*, Indianapolis, Ind. A.B. (Indiana U.) '14. English.
Shingler, George Pinckney, *s*, Oxford, Ga. S.B. (Massachusetts Inst. of Technology) '06. Chemistry.

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Shinomiya, Toyoji, *sp*, Hiroshima, Japan. Rigakushi (Tokyo Imperial U.) '04. Physics.
Shipman, Jennie Spaulding, *sp*, Chicago. A.B. (Smith C.) '01. Romance.
Shirley, Floy Amanda, *s*, Chicago. A.B. (Vassar C.) '87. Romance.
Shively, Charles Arthur, *s*, Hays, Kan. A.B. (U. of Kansas) '02; A.M. (*ibid.*) '07. Education.
Shoup, Earl Leon, *s*, Richmond, Ind. A.B. (Washburn C.) '11. History.
Shouse, John Lamar, *s*, Kansas City, Mo. A.B. (William Jewell C.) '95; A.M. (*ibid.*) '96. Education.
Shumway, Howard Paine, *a*, Wakefield, Neb. A.B. (U. of Nebraska) '13; A.M. (*ibid.*) '15. Anatomy.
Shurtleff, Ida Agren, *s*, Ogden, Utah. A.B. (U. of Utah) '11. English.
Sidell, Roscoe Roy, *s*, Joliet. Ph.B. (U. of Wooster) '08. Hygiene.
Siepert, Albert Frederic, *s*, Peoria. S.B. (Columbia U.) '13. Education.
Sigler, Edward Andrew, *s*, *sp*, Bowling Green, Ky. Ph.B. '14. History.
Sigworth, Dwight Chase, *sp*, Stanton, Neb. S.B. (U. of Nebraska) '15. Physiology.
Siler, Gilmer, *s*, Atlanta, Ga. A.B. (Trinity C.) '09; A.M. (*ibid.*) '10. Physics.
Simmons, Rietta, *a*, *w*, *sp*, New Orleans, La. A.B. (Tulane U.) '15. Psychology.
Simons, Dorothy Lister, *a*, *w*, *sp*, Chicago. A.B. (Swarthmore C.) '08; A.M. (U. of Pennsylvania) '15. Romance.
Simons, Frederick Myerle, *w*, Chicago. A.B. (Swarthmore C.) '09; A.M. (*ibid.*) '12. Political Economy.
Simonsen, Adele Evangeline, *s*, Oak Park. A.B. (Northwestern U.) '14. Latin.
Simpson, Georgiana Rose, *s*, Washington, D.C. A.B. '11. German.
Simpson, John Nathan, *s*, Morgantown, W.Va. A.B. (U. of Nashville) '93; M.D. (Johns Hopkins U.) '02. Physiology.
Simpson, Marie Ellen, *s*, Mendon, Mich. A.B. (Olivet C.) '01; Ph.B. in Ed. '13. English.
Simpson, Marion Rion, *s*, Lorain, Ohio. A.B. (Ohio Wesleyan U.) '14. Education.
Sinclair, John George, *a*, *w*, Chicago. S.B. '11. Zoölogy.
Sisson, Frederick Myron, *s*, *a*, Chicago. Ph.B. '07. Education.
Sistare, William Mollis, *s*, New London, Conn. S.B. (Middleburg C.) '15. Chemistry.
Sites, Venette Marie, *s*, Fort Wayne, Ind. A.B. (Smith C.) '12; A.M. (U. of Michigan) '13. Mathematics.
Sizer, James Peyton, *s*, *a*, *w*, Philadelphia, Tenn. A.B. (Emory and Henry C.) '12. Sociology.
Slater, Clarence Paul, *s*, Russell, Iowa. S.B. (Parsons C.) '14. Education.
Slaught, Katharine May, *s*, Chicago. Ph.B. '09. Chemistry.
Slichter, Sumner Huber, *a*, *w*, *sp*, Madison, Wis. A.B. (U. of Wisconsin) '13; A.M. (*ibid.*) '14. Political Economy (fel.).
Sloan, Ruth Annette, *s*, Franklin, Ind. Ph.B. (Franklin C.) '04; A.M. (Columbia U.) '16. Home Economy.
Small, Hurbert Wesley, *s*, Blue Island. A.B. (Bates C.) '89. Education.
Smart, Ruth Marion, *s*, Downers Grove. A.B. '16. Latin.

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Smiley, William Allen, *a, w, sp*, Grinnell, Iowa. S.B. (Grinnell C.) '16. Anatomy.
Smith, Alva Wellington, *s*, Columbus, Ohio. A.B. (Ohio State U.) '12; A.M. (*ibid.*) '14. Physics.
Smith, Bertha Mabel, *s*, Oak Park. A.B. (Denison U.) '05. Education.
Smith, Carl Morris, *a, w, sp*, Oklaunion, Tex. A.B. (Baylor U.) '15. Anatomy.
Smith, Charles Spurgeon, *s*, San Marcos, Tex. S.B. (Baylor U.) '10. Physiology.
Smith, Charles Sydney, *s*, Lorain, Ohio. S.B. (Case S. of Applied Sciences) '08. Education.
Smith, Chauncey William, *s*, Lincoln, Neb. S.B. (U. of Nebraska) '14. Physics.
Smith, Clarence, *s*, Lawrence, Kan. A.B. (U. of Kansas) '15; A.M. (*ibid.*) '16. Physiology.
Smith, Edwin Jefferson, *a, w, sp*, Chicago. A.B. (Ripon C.) '14. Anatomy.
Smith, Elvira Thrall, *s*, Chicago. A.B. (Ohio State U.) '12; S.B. (*ibid.*) '13. Home Economy.
Smith, Eva, *a, w, sp*, Monmouth. A.B. (Monmouth C.) '95. History.
Smith, Faith Ellen, *a, w*, Kaukauna, Wis. A.B. (Milwaukee-Downer C.) '11. English.
Smith, Frances, *s*, Maryville, Mo. A.B. (U. of Missouri) '09; S.M. (*ibid.*) '09; A.M. (*ibid.*) '10. German.
Smith, Frederick Adair, *s*, Hillsboro, Tex. A.B. (Baylor U.) '14. Chemistry.
Smith, Frederick Wyman, *s*, Crawford, Tex. A.B. (Baylor U.) '15. Education.
Smith, Gilbert Harmer, *s*, Norman, Okla. A.B. (Trinity C.) '04. Sociology.
Smith, Henry Ernest, *s*, Amherst, Mass. A.B. '02. English.
Smith, James Esse Brown, *s*, Christiansburg, Va. A.B. (Roanoke C.) '99; A.M. (*ibid.*) '02. Education.
Smith, Joseph Earl, *s*, Eureka. A.B. (Cotner U.) '09; A.M. (U. of Nebraska) '14. Education.
Smith, Joy Hardy, *s, a, w, sp*, Chicago. A.B. (Ohio State U.) '12; S.B. (*ibid.*) '13. Education.
Smith, Laura Moore, *s*, Atlanta, Ga. S.B. in Ed. '14. Education.
Smith, Loru Hannah, *s*, Austin, Tex. A.B. (U. of Texas) '12; A.M. (*ibid.*) '13. English.
Smith, Lucy Belle, *s*, Fayetteville, Ark. A.B. (U. of Arkansas) '12. Latin.
Smith, Mary Lou, *s*, Oklahoma City, Okla. A.B. (Randolph-Macon Woman's C.) '14. Latin.
Smith, Ruby May, *s*, Rosedale, Kan. A.B. (Western Reserve U.) '12. English.
Smither, Harriet, *s*, Georgetown, Tex. S.B. (U. of Texas) '05. History.
Smithies, Elsie May, *s*, Wausau, Wis. A.B. (Lawrence C.) '10. Latin.
Smock, William Curtis, *s*, Delphi, Ind. A.B. (Franklin C.) '16. History.
Snell, Edith Margaret, *s*, Miles City, Mont. A.B. (U. of Michigan) '09. History.
Snetzer, Rudolph Leonard, *s*, Guilford, Ind. A.B. (Indiana U.) '14. Education.
Snitjer, Agnes Rodatz, *s*, Chicago. Ph.B. '07. German.
Snyder, Clark Montgomery, *s*, Akron, Ohio. A.B. (Oberlin C.) '07. Chemistry.
Snyder, Raymond Hugo, *s*, Laporte, Ind. A.B. (Indiana U.) '12. Education.
Sobey, Albert, *s*, Hancock, Mich. S.B. (Michigan State Agricultural C.) '09. Physics.

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Soper, Fred Lowe, *s*, Hutchinson, Kan. A.B. (U. of Kansas) '14; S.M. (*ibid.*) '16. Pathology.

Sorrell, Lewis Carlyle, *a*, *w sp*, Chicago. A.B. (Colgate U.) '11. Political Economy.

Soule, Harold Williams, *s*, Hingham, Mass. A.B. (Colby C.) '04; A.B. (U. of Oxford) '08; A.M. (Harvard U.) '14. German.

Soulen, Philip Henry, *s*, Moscow, Ind. A.B. (Hope C.) '92; A.M. (*ibid.*) '95. Education.

Southall, Sarah Elizabeth, *s*, Birmingham, Ala. S.B. (Vanderbilt U.) '14. Romance.

Spaeth, Louise Marie, *s*, Austin, Tex. A.B. (U. of Texas) '08. German.

Spangler, Norman Ulysses, *s*, Longmont, Colo. S.B. in Ed. '13. Geography.

Spangler, Robert Clifton, *s*, Morgantown, W.Va. A.B. (West Virginia U.) '14. A.M. (*ibid.*) '16. Botany.

Speeker, Guy Greene, *s*, West Lafayette, Ind. A.B. (Indiana U.) '12; A.M. (*ibid.*) '13. Mathematics.

Spenceley, James Albert, *s*, Winnipeg, Canada. A.B. (U. of Toronto) '05; A.M. (*ibid.*) '09. English.

Spencer, Benjamin Townley, *s*, Winchester, Ky. A.B. (Kentucky Wesleyan C.) '79; A.M. (*ibid.*) '82. Greek.

Spencer, Isa Goldie, *s*, Cumberland, Ind. A.B. (Franklin C.) '14. History.

Spencer, Samuel Riley, *s*, Waco, Tex. A.B. (Baylor U.) '11. Chemistry.

Spencer, William Homer, *s*, Birmingham, Ala. Ph.B. '13; J.D. '13. Political Science.

Spessard, Earle Augustus, *s*, Marquette, Mich. A.B. (Lebanon Valley C.) '11. Botany.

Spickerman, Rufus Jay, *a*, *w*, Maryville, Mo. A.B. (William Jewell C.) '02; A.M. (*ibid.*) '16. History.

Spieth, George Edward, *s*, Defiance, Ohio. A.B. (Defiance C.) '11. Chemistry.

Spigener, Frank Sims, *s*, Columbia, S.C. A.B. (U. of South Carolina) '10. English.

Spillman, Gustavus Leonhard, *s*, Louisville, Ky. A.B. (Indiana U.) '97. German.

Splawn, William Marshall Walter, *s*, Belton, Tex. A.B. (Baylor U.) '06. Political Economy.

Spoonen, Charles Stockmon, *s*, Middletown, N.Y. A.B. (Cornell U.) '07. Zoölogy.

Spooner, Charles Cutler, *s*, Marquette, Mich. A.B. (Amherst C.) '96. Physics.

Stadler, Babetta, *s*, Emporia, Kan. A.B. (Washburn C.) '07; A.M. (U. of Kansas) '10. German.

Staker, Moses Roy, *s*, Delavan. B.Ed. (Illinois State Normal U.) '14. Education.

Standefer, Jeannette, *s*, Waco, Tex. A.B. (Baylor U.) '12. History.

Stanforth, Alva Thorman, *s*, Woodsfield, Ohio. S.B. (Muskingum C.) '14. Education.

Stanley, Adeline Eugenia, *s*, Stanleyville, Ohio. S.B. (Lebanon U.) '02; A.B. (*ibid.*) '06; A.M. (U. of Michigan) '09. Education.

Stansbury, Milton Hammond, *a*, *w*, *sp*, Chicago. A.B. (Brown U.) '15. English.

Stanton, Robert Hitz, *sp*, Madison, Ind. S.B. '17. Anatomy.

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Starin, Louis Martin, *s*, Ames, Iowa. A.B. (U. of Kansas) '15. Pathology.
Starin, William Alfred, *s*, Columbus, Ohio. A.B. (U. of Kansas) '06; A.M. (*ibid.*) '08. Pathology.
Stark, Mabel Claire, *s*, Normal. S.B. '10. Geography.
Starling, Frank Millard, *s*, Grapevine, Tex. S.B. '16. Education.
Steckelberg, Emma Charlotte, *s*, Chadron, Neb. A.B. (U. of Nebraska) '09. German.
Starr, Paul Merritt, *sp*, Winnetka. A.B. (Harvard U.) '15. Education.
Steeg, Carl Ver, *s*, Pella, Iowa. S.B. (Central C.) '14. Geology.
Steele, Hannah Bard, *a*, *w*, *sp*, Wayne, Pa. A.B. (Swarthmore C.) '09; A.M. (*ibid.*) '12. Astronomy.
Steele, Margaret Fenwick, *s*, Cherokee. A.B. (Mount Holyoke C.) '11. Education.
Stempel, Myrtle Emmert, *s*, Bloomington, Ind. A.B. (Indiana U.) '02; A.M. (*ibid.*) '15. German.
Stetson, Paul Clifford, *s*, Grand Rapids, Mich. A.B. (Kalamazoo C.) '07; A.B. (U. of Chicago) '07. Sociology.
Stevenson, Fred Gray, *sp*, Muskegon, Mich. A.B. (U. of Michigan) '08. Education.
Stewart, Elvie Nathan, *a*, *w*, *sp*, Baldwin City, Kan. A.B. (Baker U.) '14. Physiology.
Stewart, Irvine Emerson, *a*, *w*, *sp*, Ottawa, Canada. A.B. (McMaster U.) '14; A.M. (*ibid.*) '15. Geology (fel.).
Stewart, Minnie, *s*, Topeka, Kan. A.B. (Washburn C.) '09. Education.
Stewart, Reba Cloud, *s*, Jonesboro, Ga. A.B. (Randolph-Macon Woman's C.) '06; A.M. (*ibid.*) '09. Education.
Stockham, Rae, *s*, Des Moines, Iowa. Ph.B. (Drake U.) '07. Philosophy.
Stokes, Thomas Munger, *s*, *a*, *w*, *sp*, Lampasas, Tex. A.B. (U. of Texas) '15; A.M. (*ibid.*) '16. Psychology.
Stolz, Joseph Henry, *s*, *a*, *w*, *sp*, Syracuse, N.Y. Ph.B. (Syracuse U.) '99. History.
Stoneberg, Philip John, *s*, Bishop Hill. A.B. (Knox C.) '99; A.M. (*ibid.*) '01. A.M. (Columbia U.) '05; A.M. (Harvard U.) '10. History.
Stoneking, John Andrew, *s*, Chicago. A.B. (Indiana U.) '98; A.M. (*ibid.*) '01. Physics.
Storms, Charles Harrison, *sp*, Chicago. A.B. (Denison U.) '01; D.B. '04. Education.
Stouffer, Karl J., *s*, Beaver Dam, Wis. S.B. (Otterbein U.) '10; A.M. (*ibid.*) '10. Chemistry.
Stout, Helen Louise, *s*, Lake Bluff. L.B. (Smith C.) '03. English.
Stowe, Genevieve, *s*, Ann Arbor, Mich. A.B. (U. of Michigan) '09. English.
Stratton, Ollie, *s*, San Antonio, Tex. A.B. (U. of Texas) '11. English.
Strausbaugh, Perry Daniel, *s*, Wooster, Ohio. S.B. (U. of Wooster) '13. Botany.
Straw, Hazel Mildred, *w*, *sp*, Gatesville, Tex. A.B. (Southern Methodist U.) '16. English.
Strong, Helen Mabel, *sp*, Oak Park. S.B. '17. Geography.
Strunk, Louis Henry, *s*, Mexico, Mo. S.B. (U. of Missouri) '16. Education.

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Stryker, William Buard, *w*, Kearney, Neb. Ed.B. (Kearney State Normal S.) '16. Education.
Stuart, William, *s*, Eureka, Utah. A.B. (U. of Oklahoma) '08. History.
Stumes, Hortense Baker, *w*, Chicago. Ph.B. '08. Sociology.
Stump, George Paul, *a*, *w*, *sp*, Maywood. A.B. (Muhlenberg C.) '12. Greek.
Stump, Susie Thro, *a*, Cromwell, Ind. A.B. (Indiana U.) '14. Sociology.
Sturgeon, William Elias, *s*, Waco, Tex. A.B. (Texas Christian U.) '09. Chemistry.
Sundvall, August Leo, *s*, *w*, *sp*, New Richmond, Wis. A.B. (Franklin C.) '16. Sociology.
Sutherland, Lois Gilbert, *w*, *sp*, Chicago. A.B. '15. Political Economy.
Sutherlin, Earl B., *s*, Bainbridge, Ind. A.B. (Indiana U.) '15. Political Economy.
Sutherlin, Lee, *s*, Bainbridge, Ind. A.B. (Indiana U.) '12. Physics.
Sutton, Effie Howarth, *s*, Bloomington. A.B. (Illinois Wesleyan U.) '13. History.
Sutton, Katherine Fedora Walters, *s*, Tulsa, Okla. A.B. (U. of Michigan) '06 Greek.
Swearengen, Ida May, *a*, *sp*, Memphis, Tenn. A.B. (Randolph-Macon Woman's C.) '16. English.
Sweazey, George Beaty, *s*, Salt Lake City, Utah. A.B. (Wabash C.) '97; A.M. (*ibid,*) '00. Mathematics.
Swenson, Henry Edward, *s*, Seattle, Wash. A.B. (U. of Wisconsin) '07; A.M. (*ibid.*) '11. Education.
Swift, George Arthur, *s*, Salina, Kan. A.B. (Kansas Wesleyan C.) '14. Political Science.
Swigart, Lois Edna, *s*, South Bend, Ind. A.B. (U. of Illinois) '08. History.
Sykes, Thomas McQuiston, *s*, Meridian, Miss. A.B. (U. of Mississippi) '06. Education.
Symington, Edith Crawford, *s*, San Antonio, Tex. A.B. (U. of Texas) '06; A.M. (*ibid.*) '10. Romance.
Sype, George, *s*, Oak Park. A.B. (U. of Illinois) '05. Chemistry.
Taggart, Helen Elizabeth, *sp*, Chicago. S.B. '12. Geology.
Tandy, Elizabeth Carpenter, *a*, Vevay, Ind. Ph.B. '15. Education.
Tate, Robert Stuart, *s*, Danville, Ky. A.B. (Central U. of Kentucky) '13. Education.
Taylor, Ann Elizabeth, *a*, *w*, *sp*, Austin, Minn. A.B. (Macalester C.) '10. History.
Taylor, Carl Cleveland, *s*, Columbia, Mo. A.B. (Drake U.) '11; A.M. (Texas State U.) '14. Sociology (fel.).
Taylor, Freda Weitzel, *s*, *a*, *w*, Chicago. S.B. '11. Romance.
Taylor, George Graham, *s*, Highland Park. A.B. (U. of Illinois) '04; LL.B. (John Marshall Law S.) '08. Mathematics.
Taylor, John Wills, *s*, Linden, Wis. Ph.B. (U. of Wisconsin) '11; A.M. (*ibid.*) '15. History.
Taylor, John Wilson, *a*, *w*, *sp*, St. Catharines, Ontario, Canada. A.B. (U. of Toronto) '14; A.M. (*ibid.*) '16. Greek (fel.).
Taylor, Miriam Wetmore, *s*, Grinnell, Iowa. A.B. (Grinnell C.) '14. Physiology.

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Telken, Lydia Maria, *a*, *w*, Chicago. A.B. (U. of North Dakota) '10. English.
Templin, Marjorie Alta, *s*, Lawrence, Kan. A.B. (U. of Kansas) '14. Home Economics.
Tenold, Adeline Theoline, *s*, Northwood, Iowa. A.B. (U. of Minnesota) '14. Zoölogy.
Terrill, Nelle Charles, *s*, Topeka, Kan. A.B. (U. of Kansas) '14; S.B. (*ibid.*) '14. German.
Thomas, Clement, *s*, Huron, S.D. A.B. (Huron C.) '15. English.
Thomas, Edward Brown, *s*, *a*, Chicago. Ph.B. '14. Sociology.
Thomas, Helen Stilwell, *s*, Allston, Mass. A.B. (Smith C.) '09. Zoölogy.
Thomas, Maud Leola, *sp*, Stillwater, Okla. Ph.B. in Ed. '17. History.
Thomas, Olive Jackman, *s*, Riverside. S.B. '13. Botany.
Thomas, Robert Edward, *s*, Marlin, Tex. A.B. (U. of Texas) '13. History.
Thompson, Clifford J., *s*, Elyria, Ohio. S.B. (Lebanon U.) '06; A.B. (Antioch C.) '10. English.
Thompson, Helen Bishop, *s*, New London, Conn. S.B. (Kansas State Agricultural C.) '03; S.M. (*ibid.*) '07; A.M. (Columbia U.) '13. Physiology.
Thompson, Howard King, *s*, Boston, Mass. A.B. (Colgate U.) '16. Chemistry.
Thompson, James Edward, *s*, Anniston, Ala. A.B. (U. of Alabama) '15. Political Economy.
Thompson, Minnie Aletta, *a*, Appleton, Minn. A.B. (U. of Minnesota) '14. English.
Thompson, Raymond Charles, *s*, *a*, *w*, *sp*, Fayetteville, Ark. S.B. (Kansas State Agricultural C.) '08. Anatomy.
Thompson, Richard Yoder, *s*, West Point, Neb. A.B. (U. of Nebraska) '16. Physiology.
Thomson, Earl Wentworth, *s*, Worcester, Mass. A.B. (Clark U.) '13; A.M. (Dartmouth C.) '15. Physics.
Thrasher, Frederic Milton, *s*, *a*, *w*, *sp*, Frankfort, Ind. A.B. (DePauw U.) '15. Sociology (fel.).
Throckmorton, Mary Eleanor, *s*, Clarkshill, Ind. S.B. (Purdue U.) '13. Home Economics.
Thuermer, Charles Herman, *s*, Quincy. A.B. (Indiana U.) '07. Chemistry.
Tibbetts, Charles Byron, *s*, Berwick, Me. A.B. (Bates C.) '13; A.M. (Lake Forest C.) '15. Mathematics.
Tilberg, Wilbur Emanuel, *a*, *w*, *sp*, Atchison, Kan. A.B. (Bethany C.) '11; A.M. (U. of Kansas) '12. History.
Tillema, John Albert, *s*, Voorhees, Mich. A.B. (Hope C.) '14. Political Economy.
Tilton, Besse Swinburne, *s*, Indianola, Iowa. A.B. (Simpson C.) '13. Physics.
Tilton, Olive, *sp*, Danville. S.B. in Ed. '17. Mathematics.
Tingley, Margaret Jane, *s*, Chicago. Ph.B. '12. English.
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Tint, Louis Jacob, *w*, Chicago. S.B. '14. Physiology.
Tipton, Jacob Henry, *s*, Salt Lake City, Utah. S.B. (U. of Utah) '13. Education.
Tobin, Helen Kathryn, *a*, Yankton, S.D. A.B. (U. of South Dakota) '16. Home Economy.

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Todd, Helen Gertrude, *s*, Chicago. Ph.B. '07. Household Administration.
Toepelmann, Walter Carl, *a*, *w*, *sp*, Madison, Wis. A.B. (U. of Oklahoma) '16. Geology.
Tomlinson, Willard Pyle, *s*, Swarthmore, Pa. A.B. (Haverford C.) '10; A.M. (Harvard U.) '11. Education.
Tomm, Helen Fraser, *s*, Delavan. Ph.B. '14. Latin.
Tompkins, Dora Gilbert, *s*, Ames, Iowa. A.B. (Monmouth C.) '93; A.M. (Knox C.) '98. English.
Tong, Ming Sing, *a*, *w*, *sp*, Kiangan, China. S.B. (Kentucky Wesleyan U.) '15. Chemistry.
Toole, Eben Henry, *s*, Madison, Wis. A.B. (U. of Wisconsin) '15; A.M. (*ibid.*) '16. Botany.
Torbet, Ethel Orrel, *s*, Shreve, Ohio. Ph.B. (U. of Wooster) '11. Education.
Torrence, Annie Margaret, *s*, Mount Pleasant, Iowa. Ph.B. (Iowa Wesleyan U.) '10. German.
Torrence, Howard John, *s*, Morrison. A.B. (Monmouth C.) '10. Education.
Torrey, Robert, *a*, *w*, *sp*, University, Miss. Ph.B. (U. of Mississippi) '10. Mathematics.
Tower, Lucia Kieve, *a*, *w*, *sp*, Chicago. Ph.B. (U. of Michigan) '95. Psychology.
Towne, Elinor Kirkwood, *s*, Greencastle, Ind. A.B. (DePauw U.) '97; A.M. (*ibid.*) '02. Education.
Townsend, Helen Hunt, *a*, *w*, Wichita, Kan. A.B. (Friends' U.) '12. Home Economics.
Tracy, Anna Belle, *s*, Walkerton, Ind. A.B. (Oberlin C.) '12. English.
Trainor, Anna, *s*, Chicago. Ph.B. (U. of Michigan) '94. English.
Treadwell, Lois, *a*, *w*, *sp*, Poughkeepsie, N.Y. A.B. (Vassar C.) '14; A.M. (*ibid.*) '16. Psychology.
Treakle, Helen E., *s*, Madison. A.B. (U. of Wisconsin) '15. Geography.
Trimble, Clara Eugenia, *s*, Chicago. A.B. (U. of Illinois) '04. Anatomy.
Trompen, Nancy, *s*, Chicago. S.B. '13. Education.
Trostle, Evelyn May, *s*, McPherson, Kan. A.B. (McPherson C.) '12. English.
Trout, Elsie Ellen, *s*, Franklin, Ind. A.B. (Franklin C.) '10. Latin.
Troutman, Ethel, *s*, Moline, Mich. S.B. (Michigan Agricultural C.) '11. Education.
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Trueblood, Anna Mabel, *s*, Salem, Ind. A.B. (Earlham C.) '09. Education.
Trueblood, Clifford Emmett, *s*, Salem, Ind. S.B. (Earlham C.) '08. Education.
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Tseo, Pang Yuen, *s*, Nanchang, Kiangsi, China. A.B. (U. of Michigan) '15. Physiology.
Tubbs, Eston Valentine, *s*, Centralia. A.B. (Northwestern U.) '09; A.M. (U. of Illinois) '10. Education.
Tubbs, Ira Irl, *s*, Sterling, Kan. A.B. (William Jewell C.) '12. Chemistry.
Tunison, Mary Catherine, *s*, Fenton, Mich. A.B. (U. of Michigan) '13. Latin.
Turk, Bella Selma, *s*, Litchfield. A.B. (U. of Illinois) '11. English.
Turner, Clarence Lester, *s*, Devils Lake, Wis. A.B. (Ohio Wesleyan U.) '12. Geology.

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Turner, Sara Clark, *s*, Nashville, Tenn. A.B. (Goucher C.) '09. English.
Tustison, Francis Elwood, *s*, Bucyrus, Ohio. S.B. (Ohio Wesleyan U.) '09. Physics.
Twinem, James Clyde, *s*, Summerfield, Ohio. Ph.B. in Ed. '15 Education.
Tyndale, Elsie Honn, *s*, Salt Lake City, Utah. Ph.B. '01. German.
Uchida, Toru, *a*, *w*, Tokyo, Japan. A.B. (Northwestern C.) '16. Political Economy.
Udden, Anton David, *a*, *w*, *sp*, Rock Island. A.B. (Augustana C.) '07. Physics.
Uhl, Willis Lemon, *s*, Angola, Ind. Ph.B. (Tri-State C.) '08; A.B. (Northwestern) '11. Education.
Ullmann, Rosalie Wahlberg, *s*, Whitehall, Mich. A.B. (U. of Michigan) '08. German.
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Ulrich, Julia Elizabeth, *s*, Norwood, Ohio. L.B. (U. of Cincinnati) '97. Philosophy.
Ulrich, Katharine Matilda, *s*, Monona, Iowa. Ph.B. (Upper Iowa U.) '08. Zoölogy.
Ulrich, Susanne C., *s*, Washington, D.C. L.B. (Ohio Wesleyan U.) '04. Philosophy.
Umbaugh, Otis Frederick, *s*, Harvey. A.B. (Wittenberg C.) '12; A.M. (*ibid.*) '15. Education.
Underhill, Olive Lorena, *s*, Boulder, Colo. Ph.B. '09. Philosophy.
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Utzinger, Elva Gertrude, *s*, Racine, Minn. A.B. (Carleton C.) '14; A.M. (*ibid.*) '15. Mathematics.
Vaile, Florence Isabella, *a*, Oak Park. A.B. (Smith C.) '04. History.
VanArsdale, Etha Louise, *s*, Midway, Ky. S.B. (Oxford C.) '91. Physics.
VanCampen, Marion, *sp*, Knoxville, Tenn. Ph.B. in Ed. '12. Education.
Vance, Claud Morton, *s*, Belton, Tex. Ph.B. (Baylor U.) '08; S.B. '11. Chemistry.
VanDeusen, John George, *s*, Celina, Ohio. A.B. (Ohio State U.) '13; A.M. (*ibid.*) '14. History.
Vandorpoel, Tanotta Elizabeth, *s*, Chicago. S.B. '12. Botany.
Van Hoesen, Gertrude, *s*, *w*, Chicago. Ph.B. in Ed. '12. Education.
Van Hoesen, Margaret, *s*, Chicago. Ph.B. in Ed. '11. Household Art.
Vedder, Leslie James, *s*, Gurnee. S.B. (Hobart C.) '13. Mathematics.
Velde, Otto Vander, *a*, *w*, *sp*, Phillipsburg, Kan. A.B. (Hope C.) '15. Anatomy.
VerNooy, Winifred, *a*, Chicago. Ph.B. '12. Romance.
Villers, Edith Merriam, *s*, Marietta, Ohio. A.B. (Marietta C.) '09. Education.
Vincent, Bertha Idell, *s*, Chicago. A.B. (U. of Michigan) '99. German.
Vincent, Helen Dorothy, *s*, Washington, D.C. A.B. (Mount Holyoke C.) '15. Mathematics.
Vincent, Irving Orrin, *s*, Montreal. A.B. (McGill C.) '07; A.M. (*ibid.*) '08. Greek.
Vineyard, Anna, *s*, Helena, Ark. S.B. (U. of Mississippi) '98; S.B. '09. Chemistry.

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Vondracek, Henrietta Emily, *s*, Cedar Rapids, Iowa. Ph.B. in Ed. '11. Education.

Voris, Clarence R., *s*, Madison, Ind. A.B. (Hanover C.) '14; A.M. (Indiana U.) '15. Education.

Voris, Harrison Scott, *s*, Madison, Ind. S.B. (Hanover C.) '12; A.B. (*ibid.*) '14. Education.

Vosacek, Frank Richard, *s*, Omaha, Neb. S.B. (U. of Nebraska) '08. Education.

Wade, Willard Marshall, *s*, Kearney, Mo. S.B. '14. Physics.

Wagner, Charles Albertis, *s*, Junction City, Kan. A.B. (U. of Kansas) '98. Education.

Wago, Heinosuke, *sp*, Tokyo, Japan. M.D. (Tokyo Medical C.) '12. Anatomy.

Waits, Alice Marjory, *sp*, Terre Haute, Ind. A.B. (U. of Chicago) '16. Romance.

Wald, Arthur Emanuel, *s*, *a*, *w*, *sp*, St. Peter, Minn. A.B. (Augustana C.) '05. Romance.

Walker, Annie Laurie, *s*, Omaha, Tex. A.B. (Baylor U.) '13. Latin.

Walker, Earl Fiske, *s*, University Place, Neb. A.B. (Nebraska Wesleyan U.) '09; A.M. (U. of Nebraska) '15. Chemistry.

Walker, Homezelle Scott, *a*, *w*, *sp*, Washington, D.C. A.B. (Howard U.) '15. Psychology.

Walker, Owen, *a*, Princeton. A.B. (U. of California) '16. Political Science.

Walker, Sidney, *a*, Chicago. S.B. '09. Physiology.

Wallace, James David, *s*, Fayette, Miss. A.B. (U. of Mississippi) '01; A.M. (*ibid.*) '11. Education.

Wallace, Jesse Thomas, *s*, Clinton, Miss. A.B. (U. of Mississippi) '00; A.M. (*ibid.*) '02. History.

Wallace, Leonard DeLong, *s*, *a*, *w*, *sp*, Decatur, Ga. A.B. (Kentucky State U.) '09. English.

Wallace, Warren Leslie, *s*, Spokane, Wash. A.B. (U. of Michigan) '07. History.

Wallen, Zonja Elizabeth, *s*, Chicago. S.B. '15. Chemistry.

Waller, John Claude, *a*, *w*, *sp*, London, England. A.B. (Cambridge U.) '13. Physiology.

Wallin, Florence Elvira, *s*, Stanton, Iowa. A.B. (State U. of Iowa) '07. Romance.

Walsh, Joseph Leonard, *a*, Catonsville, Md. S.B. (Harvard U.) '16. Mathematics.

Wang, Fang Chuen, *sp*, Shasi, China. A.B. (Boone U.) '13. Education.

Warburg, Roy Otto, *s*, Lee. A.B. (Northwestern U.) '14. Education.

Ward, Harold Bernard, *a*, *w*, *sp*, Mount Pleasant, Mich. S.B. '14. Geography.

Wardlow, Chester Cameron, *s*, *a*, *w*, *sp*, Dayton, Ohio. A.B. (Juniata C.) '12. Political Science.

Wardwell, Chester Theodore, *s*, Elwood, Ind. A.B. (Wabash C.) '14. Education.

Warner, Flossie May, *w*, *sp*, Edmonton, Canada. A.B. (Oberlin C.) '16. Commerce and Administration.

Warner, Glen Wones, *s*, Goshen, Ind. A.B. (Indiana U.) '13. Education.

Warren, Harriet Alice, *s*, Burlington, Iowa. A.B. '16. Latin.

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Watkins, Matilda Agnes, *s*, El Centro, Cal. A.B. (U. of Michigan) '07. English.
Watkins, Richard Watkin, *s*, Granville, Ohio. S.B. (Denison U.) '13. Chemistry.
Watson, Earnest Charles, *a*, *w*, *sp*, San Francisco, Cal. Ph.B. (Lafayette C.) '14. Physics.
Watson, Ruth Rebecca, *s*, Chicago. Ph.B. in Ed. '14. Geography.
Waugh, John David, *s*, St. Louis, Mo. A.B. (U. of Missouri) '12; S.B. (*ibid.*) '12. Education.
Way, Charles Thomas, *s*, Fox Lake, Wis. S.B. (Beloit C.) '14. Botany.
Weatherford, Harold Lorraine, *w*, Chicago. A.B. (Leland Stanford Junior U.) '16. Anatomy.
Weathersby, Hal Monroe, *s*, Pineville, La. A.B. (Mississippi C.) '05. Latin.
Weaver, Harry Brumgart, *s*, Rebersburg, Pa. Ph.B. (Bucknell U.) '14. History.
Weber, Ephraim, *s*, *a*, *w*, Maymont, Canada. A.M. (Queen's U.) '14. German.
Webster, Frank Martindale, *w*, *sp*, Chicago. Ph.B. '14. English.
Weeks, Ruth Mary, *s*, Kansas City, Mo. A.B. (Vassar C.) '08; A.M. (U. of Michigan) '13. English.
Weida, Frank M., *s*, *a*, *w*, *sp*, Gambier, Ohio. S.B. (Kenyon C.) '14. Mathematics.
Weihe, Wesley Huegely, *w*, *sp*, Nashville. A.B. (Central Wesleyan C.) '14. Sociology.
Weir, Albert Jackson, *s*, Regina, Canada. A.B. (Manitoba U.) '13. English.
Weirauch, Rowena Lee, *s*, Fort Worth, Tex. A.B. (U. of Texas) '13. German.
Welch, Emily Hamilton, *s*, New York, N.Y. A.B. (Vassar C.) '04. Education.
Welday, Cora McMaster, *s*, Lorain, Ohio. A.B. (Ohio State U.) '11 English.
Wells, Lillian Alberta, *s*, Traverse City, Mich. Ph.B. '14. Romance.
Welton, Frank Aldis, *a*, *w*, *sp*, Wooster, Ohio. S.B. (Buchtel C.) '04; S.M. (Ohio State U.) '16. Botany.
Wesley, Robert Wright, *s*, Lumber City, Ga. A.B. (U. of Georgia) '15. Sociology.
Wessa, Alice, *s*, New York, N.Y. S.B. (Columbia U.) '12. Geography.
West, Paul Vining, *s*, *a*, *w*, *sp*, Fountain, Colo. A.B. (U. of Denver) '08; A.M. (*ibid.*) '14. Philosophy.
West, Roy Augustine, *s*, Anthony, Kan. S.B. (U. of Kansas) '16. Pathology.
West, Ruby Walton, *s*, San Antonio, Tex. A.B. (U. of Texas) '11. English.
Wetton, Mary Alma, *a*, *w*, *sp*, Chicago. S.B. '15. Chemistry.
Wetzel, Alfred Henry, *s*, Crothersville, Ind. A.B. (Indiana U.) '14. Education.
Weyl, Minnie, *s*, Franklin, Ind. A.B. (Franklin C.) '99; A.M. (Columbia U.) '10. Education.
Wheeler, Helen Lenore, *s*, Oak Park. A.B. (Northwestern U.) '10. Education.
Wheeler, John Jefferson, *s*, Lawrence, Kan. A.B. (Indiana U.) '04; A.M. (U. of Kansas) '13. Mathematics.
Whitaker, Sophie Turman, *sp*, Tampa, Fla. A.B. (Saint Elizabeth C.) '14. Chemistry.
White, Grace Pauline, *s*, Kansas City, Mo. L.B. (U. of California) '10. English.
White, Janet Patterson, *a*, Chicago. Ph.B. (U. of Michigan) '97; A.M. (*ibid.*) '01. Literature.
White, Mary Louise, *s*, Muskogee, Okla. A.B. (U. of Illinois) '13. Latin.

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Whitmer, Ralph Glenn, *s*, Washington, Iowa. S.B. (Cornell C.) '12. Education.
Whitty, Anna Stella, *s*, Fayetteville, Ark. A.B. (U. of Arkansas) '13. History.
Widtsoe, Osborne John Peter, *s*, Logan, Utah. S.B. (Utah Agricultural C.) '97; A.M. (Harvard U.) '05. English.
Wien, Max Samuel, *sp*, Chicago. S.B. '17. Pathology.
Wifoat, Samuel John August, *s*, Des Moines, Iowa. S.B. (Drake U.) '14. Chemistry.
Wilcox, Harry Slater, *s*, Little Falls, N.Y. S.B. (Trinity C.) '08; A.M. (Harvard U.) '11. Physiology.
Wilder, Susan Zenobia, *s*, *sp*, Morris, Minn. A.B. (U. of Minnesota) '08; S.B. (*ibid.*) '10. Home Economics.
Wilds, Elmer Harrison, *s*, Mitchell, S.D. A.B. (Allegheny C.) '10. Education.
Wilhelms, Frederick Theodore, *s*, Chicago. S.B. '12. Education.
Wilker, Edith, *s*, Berea, Ohio. A.B. (Baldwin-Wallace C.) '03. General Literature.
Wilker, Esther Carolyn, *s*, Batesville, Ind. A.B. (Baldwin-Wallace C.) '15. German.
Wilkerson, James Claude, *s*, Dawson, Tex. A.B. (U. of Texas) '12. History.
Willett, Hugh Carey, *s*, Los Angeles, Cal. A.B. (U. of Southern California) '07; A.M. (*ibid.*) '11. Education.
Willett, Orville Roberts, *s*, Elizabethtown, Ky. A.B. (U. of Kentucky) '16. History.
Willhite, Benjamin Franklin, *s*, *a*, *w*, *sp*, Gashland, Mo. A.B. (U. of Missouri) '02. Sociology.
Williams, Delon Acree, *s*, Murray, Ky. S.B. '15. Physiology.
Williams, Edgar, *s*, Morgantown, W.Va. A.B. (U. of West Virginia) '13; A.M. (Harvard U.) '15. English.
Williams, Guy Carleton, *s*, Mount Vernon, Iowa. S.B. in C.E. (Cornell C.) '15. Education.
Williams, Harriet Helen, *s*, New Sharon, Iowa. A.B. (U. of Iowa) '10. History.
Williams, Henry Sullivan, *s*, Oberlin, Ohio. A.B. (Oberlin C.) '11. Chemistry.
Williams, James Lisle, *s*, Chetopa, Kan. A.B. (U. of Kansas) '15; A.M. (*ibid.*) '16. Physiology.
Williams, Osborne, *s*, Trenton, Tenn. A.B. (Transylvania U.) '13. Psychology.
Williams, Robert Daniel, *s*, Kansasville, Wis. A.B. (Princeton U.) '03; A.M. (*ibid.*) '04. Mathematics.
Williamson, Bertha Blanche, *s*, Ottawa, Kan. A.B. (Tarkio C.) '01. Latin.
Willier, Benjamin Harrison, *s*, *a*, *w*, *sp*, Wooster, Ohio. S.B. (U. of Wooster) '15. Zoölogy.
Willsey, Elsie May, *s*, Grandview, Wash. Ph.B. in Ed. '12. Education.
Wilson, Emma Valentine, *s*, Arcadia, Ga. A.B. (Lake Forest C.) '15. English.
Wilson, Florence Sue, *s*, Lincoln, Neb. A.B. (U. of Nebraska) '12. Geography.
Wilson, Margaret Mina, *w*, *sp*, Chicago. Ph.B. '04. English.
Wilson, Miriam, *a*, Indianapolis, Ind. A.B. (Butler C.) '16. English.
Wilson, Thomas Jefferson, *s*, Normal. B.E. (Illinois State Normal U.) '16. Education.
Wilson, Wilbur Fisk, *s*, Houston, Tex. Ph.B. '13. History.
Wiltrout, Romana Rae, *w*, *sp*, Logan, Kan. L.B. (Baker U.) '09. Latin.

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Wimmer, Herman, *s*, Rochelle. A.B. (Indiana U.) '14. Education.
Winchell, Cora Margurite, *s*, Vernon, N.Y. S.B. (Columbia U.) '09. Sociology.
Wines, Augusta Larson, *a*, Chicago. S.B. '14. Philosophy.
Winfrey, Mary Elnora, *s*, Sibley, Mo. S.B. in Ed. (U. of Missouri) '15. General Literature.
Wing, Dorothy May, *sp*, Chicago. S.B. '17. Botany.
Winger, Bjorn, *s*, Northfield, Minn. A.B. (St. Olaf C.) '14. English.
Winn, Elizabeth Hartmann, *s*, Austin, Tex. A.B. (U. of Texas) '13. Education.
Winslow, Ada Binford, *s*, Lagrange, Ga. A.B. (Wesleyan C.) '93; A.M. (Columbia U.) '11. Education.
Winslow, Ola Elizabeth, *s*, Santa Clara, Cal. A.B. (Leland Stanford Junior U.) '06; A.M. (*ibid.*) '14. English.
Winter, Olice, *s*, Chicago. A.B. (Indiana U.) '11. Mathematics.
Winter, Sarah Adelia, *s*, Fort Dodge, Iowa. A.B. (Park C.) '10. English.
Wirt, Lulu Eva, *s*, Kearney, Neb. A.B. (U. of Nebraska) '99. Latin.
Wise, George Chester, *s*, Ainsworth, Iowa. Ph.B. (U. of Iowa) '00; A.M. (*ibid.*) '02. Romance.
Wiseman, Joseph Scott, *s*, Oakhurst, N.J. S.B. (Columbia U.) '10. Education.
Witcraft, Roland Orval, *s*, Mount Gilead, Ohio. L.B. (Ohio Wesleyan U.) '09. Mathematics.
Withers, Alfred Miles, *s*, Abingdon, Va. A.B. (Washington and Lee U.) '06. Romance.
Wittmayer, John George, *s*, Wichita, Kan. A.B. (U. of Wisconsin) '15. Political Economy.
Woelfel, Albert A., *s*, Chicago. M.D. (U. of Leipzig) '02. Chemistry.
Wolfe, Anna Lee, *s*, Covington, Ky. S.B. (Georgetown C.) '97. Mathematics.
Wong, Heung Yun, *w*, *sp*, Kwangtung, China. S.B. '16. Physiology.
Wood, Albert Gerard, *s*, Greeley, Colo. A.B. (Indiana U.) '09; A.M. (U. of Nebraska) '16. Botany.
Wood, Mary Edith, *s*, Washington, Ind. A.B. (Indiana U.) '09. Latin.
Wood, Vaden Thomas, *s*, Canton, Mo. A.B. (Christian U.) '11. History.
Woodhead, William Dudley, *s*, *a*, *w*, *sp*, Edmonton, Alberta, Canada. A.B. (U. of Oxford) '08; A.M. (U. of Alberta) '13. Greek.
Woodworth, Frederick Irving, *w*, *sp*, Wolfville, Nova Scotia. S.B. (U. of Acadia) '09. Mathematics.
Woolner, Rose, *s*, Peoria. Ph.B. '09. German.
Woolston, Robert W., *s*, Bedford, Iowa. A.B. (Wheaton C.) '03. Education.
Worcester, Philip George, *a*, *w*, *sp*, Boulder, Colo. A.B. (U. of Colorado) '09; A.M. (*ibid.*) '11. Geology (fel.).
Worthing, Hugh Otis, *s*, Oakfield, Wis. A.B. (U. of Wisconsin) '15. Anatomy.
Wright, Helen Gertrude, *a*, *w*, Toulon. A.B. (U. of Illinois) '07. Romance.
Wright, Horace Carpenter, *w*, Berwyn. Ph.B. '06. Education.
Wyatt, Knowles, *s*, Helena, Mont. S.B. (Muskingum C.) '12. Education.
Wyman, Alice Marian, *s*, Nunica, Mich. A.B. (U. of Michigan) '11. German.
Yaggy, Ira D., *s*, Joliet. S.B. (Cornell C.) '03. Botany.
Yeaton, Walter James, *s*, *a*, *sp*, St. Louis, Mo. A.B. (U. of Minnesota) '09. Geology.

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Yen, Kia-Lok, *a*, *w*, *sp*, Hoihow, China. A.B. (Cornell U.) '14. Philosophy (fel.).

Yoakley, Ina, *s*, Johnson City, Tenn. S.B. (Columbia U.) '11; A.M. (*ibid.*) '12. Geography.

Yost, Hellene Louise, *s*, Pontiac. A.B. (Randolph-Macon Woman's C.) '14. Greek.

Young, Anna Blum, *s*, Ripley, Tenn. Ph.B. '15. Latin.

Young, Charles Stuart, *s*, *a*, *w*, Ripley, Tenn. A.M. (Southwestern U., Baptist U.) '98. English.

Young, Granville Allen, *s*, *a*, *w*, *sp*, Ramer, Ala. S.B. (Alabama Polytechnical U.) '09; A.M. (Columbia U.) '13. Education.

Young, Kimball, *w*, *sp*, Provo, Utah. A.B. (Brigham Young U.) '15. Sociology.

Young, Kirk, *s*, Columbus, Ohio. Ph.B. '15. History.

Youngblood, Joe Ambrose, *s*, Stuart, Fla. A.B. (Hendrix C.) '07; A.M. (Vanderbilt U.) '13. English.

Zehetner, Arther William, *s*, Dubuque, Iowa. S.B. in M.E. (U. of Pennsylvania) '12. Chemistry.

Zentmire, Zelma, *s*, Ames, Iowa. S.B. (Iowa State C. of Agriculture) '11; S.M. (*ibid.*) '15. Physiology.

Zimmermann, George Frederick, *a*, *w*, *sp*, Cedar Falls, Iowa. A.B. (Iowa State Teachers' C.) '15. Political Science.

Zinck, May, *a*, Utica, Ind. Ph.B. '16. Latin.

Zismer, Cornelia Anna, *s*, Cleveland, Ohio. L.B. (Western Reserve U.) '02. German.

Znanecki, Eileen H. Markley, *w*, *sp*, Chicago. A.B. (Smith C.) '07; A.M. (Columbia U.) '10; J.D. '15. Philosophy.

Zook, Samuel Enoch, *s*, Belleville, Pa. A.B. (Northwestern U.) '08. German.

MEN—1,115 WOMEN—952 TOTAL—2,067

SUMMARY

	Men	Women	Total
I. Doctors of Philosophy pursuing special courses	29	21	50
II. Students admitted to candidacy for higher degrees	382	180	562
III. Students not yet admitted to candidacy for higher degrees	1,115	952	2,067
Total	1,526	1,153	2,679

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THE COLLEGES

NOTE.—The italic capital letters *A*, *L*, *S*, following immediately each student's name, indicate respectively the Colleges of Arts, of Literature, of Science; the italic small letters indicate the quarters in residence: summer, autumn, winter, spring.

THE SENIOR COLLEGES

‡ Taking pre-medical work.

NOTE.—Where no institution is named it is understood to mean that the student entered the Senior Colleges from other divisions of the University of Chicago.

Abbott, Lael Ray, *S*, *w*, *sp*, Chicago.
Abernathy, Mary Elizabeth, *S*, *s*, Pulaski, Tenn. Randolph-Macon Woman's C.
Adams, Alice Sarah, *S*, *a*, *w*, *sp*, Chicago. Rockford C.
Adams, Carleton Bachman, *L*, *w*, *sp*, Chicago.
Adams, Elizabeth Marie, *S*, *s*, Peotone. Illinois Normal S.
Adams, Eva, *S*, *a*, *w*, *sp*, Chicago.
Adams, Helen Mina, *L*, *a*, *w*, *sp*, Chicago.
‡Adams, James B., *S*, *a*, Montezuma, Ga. Morehouse C.
Adler, Joseph Leopold, *S*, *a*, *w*, *sp*, Chicago.
Agar, John George, *L*, *a*, Chicago.
Alexander, Fern, *L*, *a*, *w*, *sp*, Winfield, Kan. Southwestern C.
Alexander, Marie Jane, *L*, *a*, *w*, *sp*, Kalispel, Mont.
Allen, Berd Robert, *S*, *a*, Greeneville, Tenn.
Allen, Berry William, *L*, *s*, Chicago.
Allen, Charles Forrest, *L*, *w*, Little Rock, Ark. Normal S., Warrensburg, Mo.
‡Allen, James Ulysses, *S*, *a*, *w*, Chicago. Harvard U.
Allen, Katharine Ethington, *L*, *s*, Nashville, Tenn.
Allen, Mary Bernard, *L*, *s*, *a*, *w*, *sp*, Chicago.
Allen, Miriam, *L*, *sp*, Chicago.
Allie, Stephen John, *L*, *a*, *w*, *sp*, Chicago.
Allison, Frances Louise, *L*, *s*, Waco, Tex.
‡Allison, Minard, *S*, *w*, *sp*, Pittsburg, Kan.
‡Andersen, Walter Michael, *S*, *w*, *sp*, Chicago.
Anderson, Donald Kennedy, *A*, *a*, *w*, Evanston.
Anderson, Ellen Sophie, *L*, *a*, *w*, *sp*, Chicago.
Anderson, Frederick Reade, *L*, *sp*, Glenview. Northwestern U.
‡Anderson, Janet Alice, *S*, *s*, *a*, *w*, *sp*, La Crosse, Wis. State Normal S., La Crosse.
Anderson, Miriam Estelle, *L*, *a*, *w*, *sp*, Kearney, Neb. Nebraska State Normal S.
‡Anderson, Ruth Amalia, *S*, *a*, *w*, Chicago.
Anderson, Sumner Bigelow, *L*, *w*, *sp*, Kewanee.
Anderson, Thomas Harllee, *L*, *a*, Statesville, N.C. Leland Stanford Junior U.
Angier, Robert Mitchell, *L*, *a*, *w*, *sp*, Chicago.
Anschicks, Rudolph John, *L*, *a*, *w*, *sp*, Mendota.
Appel, William Dunford, *S*, *a*, *w*, *sp*, Paris, Tex.
Arentz, Elizabeth, *S*, *a*, *w*, *sp*, Joliet. U. of Illinois.
Arthur, John Morris, *S*, *w*, Paris.
‡Ascherman, Elmer Nathaniel, *S*, *a*, *w*, *sp*, Chicago.

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‡Asher, Arthur Graham, *S, a, w, sp,* Trenton, Mo.
Ashford, Percy Drummond, *L, s,* Polo.
‡Austin, Florence Olive, *S, s, a, w,* Mobile, Ala.
Avner, Jules, *S, s, a,* Roxbury, Mass.
Axt, Alfred Felix Waldemar, *L, a, w, sp,* Milwaukee, Wis. Milwaukee Normal
Babcock, Ruth Hockaday, *L, s,* Chicago.
Bach, Bernice, *L, a, w, sp,* Chicago.
Baer, Arthur Alois, *L, a, w, sp,* Chicago.
Baker, Frances Henrietta, *L, s,* Cleveland, Ohio. Xenia C.
Baker, Irwin Monroe, *L, a, w, sp,* Chicago.
Baker, Mary Williene, *L, a, sp,* Battle Creek, Mich.
Baker, William Robert, *A, sp,* Racine, Wis.
Baltz, Guy Charles, *L, w, sp,* Attica, Kan.
‡Barborka, Clifford Joseph, *S, a, w, sp,* Denison, Iowa. Simpson C.
Barbour, Lillian, *L, a, w,* Chicago. Ferry Hall.
‡Bardenwerper, Hulburt Enos, *S, a, w,* Milwaukee. Milwaukee State Normal S.
Barger, Edna, *L, w, sp,* Terre Haute, Ind. Indiana State Normal S.
Barker, Jean, *L, sp,* Chicago.
Barker, Martha Fleming, *L, a, w, sp,* Chicago.
Barker, Myrtle Elizabeth, *S, a, w, sp,* Portage, Wis.
‡Barker, Samuel Robert, *S, s, a, w, sp,* Springfield.
‡Barnard, Hayden Emil Eberhardt, *S, s, a, w,* Chicago.
Barnett, Herman Kohlsaat, *L, sp,* Chicago. U. of Illinois.
Barnhart, Eldon Earl, *L, sp,* North Manchester, Ind.
Barr, Ethel Alice, *S, s, a,* Deadwood, S.D.
Barrette, Margaret Rosanna, *L, s,* Davenport, Iowa. U. of Michigan.
Barrow, Azile, *L, a, w, sp,* Atlanta, Ga.
Barry, Evangeline, *L, sp,* Chicago. Chicago Normal S.
Bartholomew, Juliette Cahill, *L, sp,* Lansing, Mich.
Bashore, Noah E., *L, s,* Covina, Cal.
Bass, Samuel Bosserman, *L, w, sp,* Fairbury.
Bate, Mary Teresa, *L, s, a,* Chicago.
Baum, Hermine Alexandra, *L, sp,* Chicago.
Bauman, Nellie Louise, *L, w,* Chicago.
Baumann, Frederick Llewellyn, *L, a, w, sp,* Elgin.
Baumgartner, Hertha von, *L, a, w, sp,* Boulder, Colo. U. of Colorado.
Bausch, William Carl, *L, a, w, sp,* Chicago.
Baxter, Carrie E., *L, s, a,* Belmont, Iowa. Iowa State Teachers' C.
Beck, Annie Steele, *A, w, sp,* Woodstock.
‡Becker, Harry Fred, *S, a, w, sp,* Chicago.
Beckus, Frances Charlotte, *L, a, w, sp,* Chicago.
Beddow, Thomas Irland, *L, s,* Mount Pleasant, Mich. Central State Normal S., Mount Pleasant, Mich.
Behre, Charles Henry, Jr., *S, a, w, sp,* New Orleans, La. U. of Wisconsin.
Beller, Esther Bernice, *S, w, sp,* Chicago.
Belschner, Elsie Lillian, *L, a, w, sp,* Colorado Springs, Colo. Nebraska State U.
Bender, Wade Swank, *L, a, w, sp,* Indiana Harbor, Ind.
Bennett, James Paul, *S, sp,* Chicago.

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Bennitt, Dorman Tallett, *L, s*, Joliet. U. of Wyoming.
Benson, George Paschal, *L, sp*, San Antonio, Tex.
Bent, Charles Matchett, *L, a, w, sp*, Chicago.
Berlizheimer, Celia, *L, s*, Chicago.
Bernstein, Archie Israel, *L, w, sp*, Chicago.
Bewersdorf, Flora Louise, *L, a*, Pittsburgh, Pa. Oberlin C.
Bicknell, Florence Emily, *L, s, a, w*, Chicago.
Bihler, Walter Carl, *L, sp*, Chicago.
Bila, Constantine, *A, s*, Dubuque, Iowa.
Billings, Mildred Kitto, *A, a*, Chicago.
Birdsall, Carl Asa, *S, s, a, w*, Chicago.
Bishop, Arthur Van Meter, *L, a, w, sp*, Kankakee.
Bishop, Ethel, *L, a, w, sp*, Chicago.
Bjorklund, Anna Eleanor, *S, a*, Chicago.
Black, Stanley McDonald, *L, w*, Chicago.
Blackman, Thaddeus Grant, *L, s, a, w*, Albion, Ind. Carnegie Inst. of Technology.
Blakeslee, Thomas Alvara, *L, a*, Lincoln, Neb. Fremont Normal C.
Blankenship, Chauncey Logan, *L, a, w, sp*, Columbus, Ohio. Ohio State U.
Blankenstein, Edward, *S, a, w, sp*, Harvey.
Blashfield, Herbert Walton, *L, a, w, sp*, Boscobel, Wis. Lawrence C.
Blaydes, Edith Gertrude, *A, s*, Danville, Ind. Indiana State Normal S.
Blazer, Paul Garrett, *L, w*, Aledo.
Bliss, Catherine Helen, *L, sp*, Aurora.
Blitzsten, Harry, *L, w, sp*, Chicago.
Blomquist, Gustavus William, *L, s*, Kulm, N.D.
Blouke, Dorothy, *L, a, w, sp*, Chicago. Lewis Inst.
Bock, Emma Wilhelmina, *L, a, w, sp*, Council Bluffs, Iowa. State U. of Iowa.
Bogg, Harry Barton, Jr., *L, s*, Chicago.
Boland, Margaret, *L, a, w, sp*, Chicago. U. of Idaho.
Bolks, Henrietta Marie, *L, a*, Holland, Mich. Hope C.
Bolyard, Russel Howard, *L, s, a, w, sp*, Lindsay, Okla. U. of Oklahoma.
Bondy, Robert Earl, *L, a, w*, Chicago.
‡Bondzinski, John Anton, *S, a, w, sp*, Chicago.
Bonheim, Edna Jane, *L, sp*, Chicago. Chicago Normal S.
Booker, Eleanor Estella, *S, sp*, Dayton, Ohio.
Borchers, Earl Conrad, *L, s*, Rosendale, Mo. State Normal S., Maryville, Mo.
‡Borchers, William Frederick, *S, s, a, w, sp*, Chicago. Northwestern U.
Borden, Charles Henry, *L, a, w, sp*, Wewoka, Okla.
‡Borovsky, Maxwell Philips, *S, s, a, w, sp*, Chicago.
Borroff, Henry Houston, *S, s, a, w*, Chicago.
Bowden, Loyd Melvin, *L, a, w, sp*, Birmingham, Ala.
Bowers, Margaret Frances, *L, a, w, sp*, Chicago.
Bowers, Walter Abraham, *L, w, sp*, Chicago.
‡Bowing, Irwin Ellis, *S, a, w, sp*, St. Cloud, Minn. St. Cloud Normal S.
‡Bowler, Vincent Brendan, *S, s, a, w*, Chicago. Northwestern U.
Bowman, Miriam Adaline, *L, w, sp*, Chicago.
Boyden, Dorothy, *L, w, sp*, Chicago.

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Braband, Lilla Marie, *S, s,* Milwaukee, Wis.
‡Bradel, Thaddeus Leopold, *S, s, a, w, sp,* Chicago.
Bradish, Ford, *S, sp,* Ithaca, Mich.
Brady, Margaret Mary, *L, s, a, w, sp,* Chicago.
Brainerd, Dorothy, *L, a, w, sp,* Paducah, Ky.
Brandes, Leo, *S, a, w, sp,* Chicago.
Branscomb, Jessye Forrest, *L, sp,* Union Springs, Ala.
Brant, Mary Kathryn, *L, s,* Austin.
Braswell, Emma Annie, *S, s,* Dallas, Tex.
Brauman, Marie Bernadette, *L, s,* Chicago.
Bredin, James, *L, sp,* Chicago.
Brelos, Carl Thomas, *L, w, sp,* Chicago.
Brett, Florence Caroline, *L, s, a,* Riverside. Illinois State Normal S.
Bretz, Ernest Cecil, *S, a,* Albion, Mich. Albion C.
Bridges, Eula Grace, *L, s,* Downing, Mo. Normal S., Kirksville, Mo.
Briggs, Chauncey Miller, *S, s,* Chicago.
Brinkman, Francis Leslie, *L, a, w, sp,* Chicago.
Broomell, Francis Johnson, *L, s, a, w, sp,* Chicago.
Brown, Gertrude Lucretia, *L, s,* Lyons. Chicago Teachers C.
‡Bruff, William Cartland, *S, a, w, sp,* Atlantic, Iowa. Penn C.
Brungardt, Alphonse Oswald, *L, w, sp,* Victoria, Kan. Fort Hays, Kan., Normal S.
Brunhart, Andrew Walter, *L, sp,* Milwaukee, Wis. Milwaukee State Normal S.
Bryson, Olive Flora, *S, s,* Radford, Va. Holbrook Normal C.
Buchanan, Stella May, *L, s,* Adel, Iowa. Drake U.
Buckbinder, William, *S, s, w, sp,* Chicago.
Buckley, Lucy, *L, s,* Chicago. Chicago Normal S.
Buckley, Marie Genevieve, *L, s,* Chicago. De Paul U.
‡Budge, Wallace Hugh, *S, s, a, w, sp,* Logan, Utah. Utah Agricultural C.
Bunge, Hannah Matilda, *L, s, a, w, sp,* Eitzen, Minn.
Burg, Leo Louis, *L, w, sp,* Platteville, Wis. State Normal S., Platteville, Wis.
Burke, Bula Milmine, *L, a, w, sp,* Morgan Park.
Burling, Fred Temple, *S, a, w, sp,* Des Moines, Iowa. Grinnell C.
Burns, Guinevere Elaine, *L, a, w, sp,* Chicago.
Bursik, Helen Marie, *L, a, w, sp,* Chicago.
Bush, Ruby, *L, s,* Oakland, Kan.
Byrne, Sarah Alice, *L, a, w, sp,* Chicago. Chicago Teachers C.
Cahill, Bartholomew Josselyn, *L, s,* Chicago.
Cahn, Norman William, *S, a, w, sp,* Chicago.
Caldwell, Gertrude Whipple, *L, w, sp,* Trenton, Tenn.
Calkins, William Baird, *L, sp,* Chicago.
Callen, Pauline, *L, a, w, sp,* Chicago.
‡Cameron, Don Bruce, *S, s, a, sp,* White Pigeon, Mich.
Campbell, Ellen Whiting, *L, s,* Higginsville, Mo. U. of Missouri.
‡Campione, Nicholas Louis, *S, s, a, w,* Chicago.
‡Carino, José Maria, *S, s, a, w,* Baguio, P.I.
Carlson, Eugene McMillan, *L, sp,* Chicago.
Carlson, George Maurice, *L, a, w, sp,* Chicago.

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Carlson, Ruth Christine, *L, s, a, w, sp,* Chicago.
Carpenter, Floyd Francis, *S, s,* Williamsburg, Ohio.
Carr, Marjorie Harriet, *L, w,* Chicago.
Carr, Rosemary, *L, a, w, sp,* Chicago.
‡Carrillo, José Gonzalez, *S, s, a, w, sp,* Baliwag, Bulacan, P.I.
Carroll, Florence Hasseltine, *L, s,* Chicago.
Carroll, Joseph Cephas, *L, sp,* Red Bank, N.J.
Carson, Newton, *L, s,* St. Joseph, Mo. U. of Missouri.
‡Cassady, Thomas Gantz, *S, s, a,* Spencer, Ind.
Castle, Elinor Henry, *L, w, sp,* Chicago.
Castleman, Nellie Woods, *L, s,* Birmingham, Ala.
Cavin, Ernest Dillard, Jr., *L, a, w,* Galveston, Tex.
Center, Samuel Henry, *L, sp,* Chicago.
Cerny, Leland Wesley, *L, w,* Monly, Iowa. Iowa State Teachers' C.
Chadwick, Perry Moreland, *L, a, w, sp,* Tuscola. Brown U.
Chaffee, Letitia, *L, a, w, sp,* Chicago.
Chaiken, Edith Marcia, *L, a, w, sp,* Chicago. U. of Illinois.
Chamberlain, Catherine Dormer, *L, a, w,* Chicago.
Chancellor, Justus, Jr., *L, s, w, sp,* Winnetka. Yale, Sheffield C.
‡Chang, Wah Kai, *S, s, a,* Honolulu, Hawaii.
Chouffet, Minnie Augusta, *L, a, w, sp,* Chicago.
Christenson, Dora Elizabeth, *L, s,* Milwaukee, Wis. Oshkosh Normal S.
Chutkow, Samuel, *L, s, a, w,* La Junta, Colo.
Clark, Dunlap Cameron, *L, a, w, sp,* Chicago.
Clark, Harold Richards, *L, sp,* Chicago.
Clark, John Francis James, *A, s,* Charleston, W.Va.
Clark, Mary Moore, *L, w,* Chicago. Leland Stanford Junior U.
Clark, Mildred Edith, *S, a, w, sp,* Chicago.
Clarke, William Larson, *L, a, w,* Provo, Utah. Utah Agricultural C.
‡Clements, Fred, *S, s, a, w, sp,* Mount Vernon, Ind. Indiana U.
Cochran, Carrick Foster, *S, sp,* Madison, Ind. Hanover C.
Cody, Harold Felix, *L, a, w, sp,* Chicago. St. Cyril's C.
‡Cohen, Henry David, *S, a, w, sp,* Chicago.
‡Cohen, Joseph Kaiser, *S, s,* Chicago.
Cohen, Leo Joseph, *L, a, w, sp,* Chicago.
‡Cohen Seymour Jerome, *S, s, a, w,* Chicago.
Cohen, Sigmund Hyman, *L, sp,* Chicago.
Cohn, Harry, *L, a, w, sp,* Collinsville.
Cole, May Bancroft, *L, a, w,* Kents Hill, Me.
Collier, Clarence Calvert, *L, a, sp,* Chicago.
Collins, Cyrus Cass, Jr., *S, a, w, sp,* River Forest.
Condit, Lillian Herbert, *L, a, w, sp,* Chicago. Northwestern U.
Conley, Margaret, *S, a, w, sp,* Chicago.
Conrad, Mildred Carolyn, *L, sp,* Chicago.
‡Conroy, Francis Robert, *S, a, w, sp,* Ogden, Utah. U. of Utah.
Cook, Aral Earl, *S, s,* Carson City, Mich. Michigan State Normal C.
Cook, Lyman D., *S, a, w, sp,* Beloit, Kan. Kansas Wesleyan U.
Cooke, Helen Louisa, *L, s,* Waukegan.

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Coon, Ernest David, *S, a, w,* Grand Forks, N.D. U. of North Dakota.
Coonley, Marjorie Helen, *L, a, w, sp,* Chicago.
Cooper, Berry Willis, *L, a, w, sp,* Greenfield, Ind.
Cooper, Sherman Oliver, *L, sp,* Chicago.
Copley, Howard Robert, *L, a, w, sp,* Joliet.
Corman, Abram Borris, *L, s, sp,* Chicago.
Cornell, Hazel May, *S, w, sp,* Mansfield, Ohio.
Cory, John, *A, s, a, w, sp,* Rolling Prairie, Ind.
Coryell, Sylvia Sloan, *L, a, w, sp,* Tipton, Ind. Indiana State Normal S.
Cottingham, Charles Seger, *L, sp,* Houston, Tex.
Coulter, James Milton, *L, a, w, sp,* Princeton.
Cowan, Ruth Mary, *S, s, a, w,* Chicago. Purdue U.
Cram, Eloise Blaine, *S, a, w, sp,* Bettendorf, Iowa.
Cramer, George Frederick, *S, s,* Chicago.
Croft, Norman J. Stevenson, *A, s,* Chicago.
Cronin, Anna Laconia, *L, s, sp,* Chicago.
Crow, William Leslie, *L, s,* Chicago. U. of Illinois.
Cubbage, Verlin Willis, *L, a, w, sp,* Ida Grove, Iowa. Iowa State U.
Cummings, Margaret Eloise, *S, w, sp,* Centerville, Mich.
‡Cuvellier, John Holder, *S, a, w, sp,* Minneapolis, Minn.
Daane, Arnold, *L, a, w, sp,* Chicago.
Dake, Charles Percy, *L, a, w, sp,* Mason City, Iowa.
Dalgetty, William D., *L, w, sp,* Chicago.
Dallstream, Andrew John, *L, sp,* Hoopeston. James Millikin U.
Dameier, Mary Henrietta, *L, s,* Chicago.
‡Daniels, Luman Elmer, *S, a, w, sp,* Woodstock.
Danner, Dorothy, *L, a,* Mount Pulaski.
Daringer, Helen Fern, *L, a, w, sp,* Danville. Eastern Illinois Normal S.
‡Davenport, William John, *S, a, w,* Chattanooga, Tenn. Morehouse C.
Davies, Marion, *L, sp,* Chicago. Northwestern U.
Davis, Allie Gilberth, *L, a, w, sp,* Foreman, Ark. Valparaiso U.
Davis, Charles Montgomery, *L, s,* Chicago. Ohio Northern U.
Davis, Grace Tinker, *A, w, sp,* Chicago. Smith C.
Davis, Harry Lee, *L, s,* Spirit Lake, Iowa. State U. of Iowa.
Davis, Hughes Buchanan, *L, s,* Marlow, Okla.
Dawson, Lovell, *S, a, w, sp,* Chicago.
Dawson, Sallie, *S, s, a, w, sp,* Marshall. Indiana State Normal S.
Dennis, Mary Ellen, *L, s,* Chicago.
De Vries, Olga, *L, w, sp,* Aplington, Iowa.
Dibble, Lester Cornwell, *L, a, w, sp,* Charles City, Iowa. U. of Michigan.
Dickinson, Elizabeth Valentine, *L, s,* Birmingham, Ala.
Diemer, Magdaleen Cathrina, *L, s,* Pontiac. Illinois State Normal U.
‡Dismond, Henry Binga, *S, s, w,* Chicago.
Dixon, Francion Elinor, *L, a, w, sp,* Delta, Colo. Colorado State Normal S.
Dodson, Leon Alva, *L, a,* Wichita, Kan. Friends' U.
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Donecker, Vera Mae, *L, w, sp,* Chicago.

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Dore, Cecile Winifred, *L, sp,* Chicago.
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Doty, Ellinor Vincent, *L, sp,* Chicago.
‡Douglas, Bruce Hutchinson, *S, a,* Whittier, Cal. Whittier C.
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‡Duner, Clarence Swan, *S, s, a,* Chicago.
Dunlap, Robert Henry, *L, a, w, sp,* Kankakee.
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‡Dykstra, Nicholas, Jr., *S, a, w, sp,* Chicago.
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‡Earle, Walter Clarence, *S, a, w, sp,* Des Plaines.
‡Eastlake, Alfred Chesmore, *S, s,* Kansas City, Mo.
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Eberhart, Bertha, *L, sp,* Chicago.
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‡Egbert, Ivan Raleigh, *S, s, a, w, sp,* Logan, Utah. Utah Agricultural C.
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‡Ehrlich, Maximilian Charles, *S, s,* Chicago. U. of Illinois.
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‡Flaten, Amon Peter, *S, s,* Edinburg, N.D. U. of North Dakota.
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‡Kruse, Walter Edward, *S, a,* Fort Wayne, Ind. Indiana U.
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Lawson, James Henry, *S, s,* Elk Valley, Tenn.
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Milchrist, Dorothy Osborne, *L, a, w, sp,* Chicago.
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‡Naylor, Eugene Fay, *S, a, w, sp,* Murphysboro.
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Nelson, Myrtle Clarbell, *S, s,* Chicago.
Nelson, Nellie Christine, *L, s,* Chicago.
Neumann, Mollie, *L, s, a, w, sp,* Chicago.
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Newman, Bernard Ellsworth, *L, a, w, sp,* Chicago.
Newman, Edward Leo, *L, a, w,* Chicago.
Ney, Wendell Holm, *L, a,* Canton, Ohio. Wooster C.
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‡Nickelson, William Donald, *S, a, w, sp,* Hood River, Ore. U. of Oregon.
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Oliver, Hannah Pearl, *S, a, w, sp*, Sigourney, Iowa.
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Taylor, Daniel Crane, *L, s, a, w, sp,* Chicago. Waller Hs.
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Taylor, Mary Caroline, *L, a, w, sp,* Springfield. Springfield Hs.
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Teichgraeber, Otto Oswald, *L, a, w, sp,* Emporia, Kan. Emporia Hs.
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Terhune, Edgar Carruthers, *L, a,* Chicago. Hyde Park Hs.

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Turner, Helen Salisbury, *S, a, w, sp,* Chicago. Milwaukee-Downer C.
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Winkler, Harry, *S, a, w, sp*, New Philadelphia, Ohio. Dover, Ohio, Hs.
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Zimrring, Ofsha, *L, w, sp*, Chicago. U. of Manitoba.
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MEN—885 WOMEN—707 TOTAL—1,592

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Allen, George Benjamin, *s*, Nashville, Tenn. U. of Nashville.
Altenheimer, Silas Jenkins, *s*, Pine Bluff, Ark. Branch Normal S.
Amos, Chester Allen, *s*, Manassas, Va. U. of Virginia.
Anderson, Jesse Thomas, *s*, Timmonsville, S.C. Furman U.
Anderson, Olive Matilda, *s*, Chicago. U. of Illinois.
Angers, Leodore, *s*, Pinconning, Mich. Pinconning Hs.
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Arnold, Maggie May, *s*, Woodruff, S.C. U. of Virginia.
Arnold, Mary Caroline, *a*, San Diego, Cal. National S. of Elocution and Oratory.
Arnold, Merton Walter, *s*, Fort Wayne, Ind. Valparaiso U.
Arnoldson, Mrs. Louise Parkinson, *s*, Salt Lake City, Utah. American Conservatory of Music.
Arthur, Anna Maud, *s*, Belt, Mont. Montana State Normal S.
Austin, William Clardy, *s*, Clinton, S.C. Presbyterian C. of South Carolina.
Babbitt, Cornelia J., *s*, *a*, *w*, *sp*, Chicago. Mme A. C. Sears' S.
Bachrach, Mrs. Martha Hartman, *s*, *w*, Chicago. Ferry Hall, New York, N.Y.
Ball, Irving, *s*, *a*, *w*, *sp*, Danville, Ark. Arkansas State Normal S.
Baltz, Guy Charles, *s*, Attica, Kan. Kansas State Normal C.
Banks, Cullen Wadsworth, *s*, Prairie View, Tex. Prairie View State Normal S.
Banks, Sadie Ida, *a*, Irene. De Kalb Normal S.
Barlow, Warren Sumner, *s*, Roswell, N.M. West Point Military A.
Barrow, Azile, *s*, Atlanta, Ga. Shorter C.
Bartlett, Lila May, *s*, Cedar Hill, Tenn. Vanderbilt U.
Bass, William Woodford, *s*, El Dorado, Kan. Pittsburg Normal S.
Bassett, Irene, *a*, *w*, *sp*, Bloomington. Illinois Wesleyan U.
Baughman, Cavins, *s*, Evansville, Ind. Indiana State Normal S.
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Becker, Dorothy Mata, *a*, Chicago. Smith C.
Beckstrom, Octavia, *s*, Laurens, Iowa. Augustana C.
Belding, Hiram Hurlburt, Jr., *s*, Riverside. Dartmouth C.
Bell, Ada Pearle, *s*, Chicago. Indian Normal S. of Pennsylvania.
Bell, Celia Marian, *s*, Ottumwa, Iowa. Columbia U.
Beman, Lois Elaine, *s*, Cleveland, Ohio. Cleveland Normal Training S.
Bender, Charlotte Matilda, *s*, Peoria. Peoria Hs.
Benson, Olive Vasmer, *a*, San Antonio, Tex. San Antonio Hs.

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Berry, Walter Stewart, *s*, Cincinnati, Ohio. U. of Michigan.
Berthlein, Charles Fred, *s*, Chicago. Stout Inst.
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Blackburn, Eunice Rebecca, *a*, Normal. U. of Illinois
Blake, Elmira Lucretia, *s*, Burlington, Iowa. Monmouth C.
Blake, Elveretta Strickland, *sp*, La Grange, Me. Simmons C.
Blankenstein, Israel, *a*, Indianapolis, Ind. Private study.
Blase, Irene, *s*, Corder, Mo. Warrensburg State Normal S.
Blodgett, Betsy Maria, *s*, Harvey. State Normal S., Mount Pleasant, Mich.
Bloor, Edwin Garfield, *s*, *a*, Nashotah, Wis. Rush Medical C.
Boardman, Rufus Norman, *s*, *a*, New Richmond, Wis. Ripon C.
Bockius, Doris VonEisen, *s*, Chicago. Rockford C.
Boesche, Emma Natalie, *s*, Council Bluffs, Iowa. Council Bluffs Hs.
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Boucher, Samuel Doid, *s*, Lovejoy, Pa. Grove City, Pa., A. and C.
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Bowen, Laurence Henry, *s*, Pickens, S.C. Furman U.
Bowen, Ray L., *a*, Quincy, Mich. Ferris Inst.
Bowman, Edna Elizabeth, *s*, Everett, Wash. U. of Washington.
Bowyer, Levi Vernon, *s*, Willshire, Ohio. Lima C.
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Boyer, Simon Ralph, *s*, Carnegie, Okla. Epworth U.
Boyle, James, *s*, Antigonish, Canada. Nova Scotia State Normal S.
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Bradish, Ford, *w*, Ithaca, Mich. Michigan Central State Normal S.
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Bradley, John Grover, *s*, Willisville. Valparaiso U.
Bradley, Ruth, *a*, *w*, *sp*, Chicago. Bradley Inst.
Brands, Agnes Regina, *s*, Louisville, Ky. Louisville Normal S.
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Brauns, Martin, Jr., *s*, Chicago. Stout Inst.
Brazzill, Bessie, *s*, Michigan City, Ind. Valparaiso U.

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Breen, John Bart, *a*, *w*, Chicago. Private study.
Brennen, Francenia Constance, *s*, Columbia, S.C. U. of South Carolina.
Brightwell, Mamie, *s*, Fort Worth, Tex. U. of Nashville.
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Brookens, Perley Floyd, *s*, Parker, S.D. U. of South Dakota.
Brown, Frank Thomas, *s*, Knoxville, Ark. Hendrix C.
Brown, Hilles Talley, *s*, Chicago. Northwestern Dental C.
Brown, Laurie Merrill, *s*, Duluth, Minn. Bellevue, Ohio, Hs.
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Bruell, Dora May, *s*, Lorain, Ohio. Baldwin-Wallace C.
Brummett, Ray Dewitt, *s*, Murphysboro. Southern Illinois Normal S.
Buchanan, Howard, *s*, *sp*, Monmouth. Monmouth C.
Budgell, Allston Turner, *s*, Chicago. Colgate U.
Burnam, Joseph Edward, *s*, Abilene, Tex. Simmons C.
Burnham, Margaret Elsa, *s*, Cleveland, Ohio. Western Reserve U.
Burt, James Henry, *s*, Manhattan, Kan. U. of Michigan.
Butler, Walter Humphreys, *s*, Sequin, Tex. Southern Texas State Normal S.
Butler, William Omer, *a*, *w*, Chicago. Schuylkill Sm.
Buynitzky, Eleanor, *s*, Washington, D.C. George Washington U.
Byers, Alfred Sanford, *s*, Evansville. Indiana State Normal S.
Byers, Jay Cleveland, *s*, Dorchester, Neb. Nebraska Wesleyan U.
Byrne, Sister Mary Camillus, *s*, Chicago. St. Xavier A.
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Cahill, Lawrence Lowman, *s*, Mount Victory, Ohio. Northwestern U.
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Callaway, Julia Estelle, *s*, Little Rock, Ark. Little Rock Hs.
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Campbell, Lucia Eddie, *s*, Memphis, Tenn. Howe Normal Inst., Memphis, Tenn.
Campbell, Madge, *s*, La Harpe. Eureka C.
Canfield, Kathleen, *s*, McGregor, Tex. Texas Presbyterian C.
Carey, Thomas Sheridan, *s*, Los Angeles, Cal. Leland Stanford Junior U.
Carloss, Helen Rembert, *s*, Yazoo City, Miss. Mississippi Industrial Inst. and C.
Carlson, Florence Irene, *a*, *w*, *sp*, Chicago. Evanston A.
Carnahan, Lewis Alanzo, *s*, Chicago. Charles City C.
Carr, Antoinette Cox, *a*, Chicago. Delaware, Ohio, Hs.
Carroll, Mrs. Elsie Chamberlain, *a*, *sp*, Chicago. Cornell U.
Carter, Albert Frank, *s*, Greeley, Colo. State Normal S., Indianapolis, Ind.
Carver, Mrs. Marguerite Welwood, *sp*, Chicago. Highland Park C.
Cater, Daisy Frances Rochon, *s*, New Orleans, La. Fisk U.
Cavett, Rozina, *s*, Shreveport, Louisiana. U. of Colorado.

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Clayton, Bonnie Dale, *s*, Conway, Ark. Arkansas State Normal S.
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Clower, Ada, *s*, Durant, Miss. Mississippi-Industrial Inst. and C.
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Conlan, Jettie, *s*, Chicago. Morningside C.
Conley, Bessie Lee, *sp*, Chicago. Marion, Va., Hs.
Conlon, Chester Lawrence, *s*, Portsmouth, N.H. Dartmouth C.
Connor, Angela Jane, *s*, Wilmington. St. Mary's C.
Conroy, Mayme, *s*, Beloit, Kan. Valparaiso U.
Convey, Sister Mary Callista, *s*, Chicago. Clifton Hs.
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Cook, Kathleen Robert, *s*, Muskogee, Okla. Peabody C.
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Crain, Ransome Carter, *s*, Chicago. Northwestern U.
Crane, James Wellington, *s*, London, Canada. U. of Toronto.
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James, William Henry, *s*, Marion, S.C. Claflin U.
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Jeffrey, James Robinson, Jr., *s*, Nortonville, Kan. U. of Illinois.
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Lewis, Harry, *s*, Winnipeg, Canada. U. of Virginia.
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Wills, Flossie Dee, *s*, La Fayette, Ind. Northern Arizona Normal S.
Wilmoth, Ray, *s*, Elkins, W.Va. Davis and Elkins C.
Wilson, Albert Harry, *s*, New Paris, Ohio. Earlham C.
Wilson, Edith C., *s*, Belfast, Me. Kents Hill Sm.
Wilson, Howard Earl, *s*, Stuart, Neb. U. of Nebraska.
Wilson, James Woodrow, *s*, Chicago. Northwestern U.
Wilson, Ruth Wallis, *s*, Berwyn. Teachers' Training S.
Wise, Sol, *s*, Cincinnati, Ohio. U. of Pennsylvania.
Witherington, Henry Carl, *s*, Rutherford, Tenn. Hall-Moody Preparatory S. and C.
Withers, Sallie Barney, *s*, Mobile, Ala. Knoxville C.
Wolf, Louise Margaret, *s*, Fort Wayne, Ind. Fort Wayne Normal S.
Wollmann, Marie Susanna, *a*, Freeman, S.D. U. of Colorado.
Woodruff, Thomas Tyson, Jr., *s*, La Junta, Colo. Dartmouth C.

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Woodward, Malcolm C., *s*, Sandwich. Northwestern U.
Worley, Roy Masters, *w*, Chicago. Ohio Wesleyan U.
Worthington, Harry Thomas, *s*, Concord, N.H. Dartmouth C.
Worthington, John Edgar, *s*, Hobart, Ind. Valparaiso U.
Wright, Lulu Edna, *s*, *a*, *w*, Harlan, Iowa. Harlan Hs.
Wuichet, West, *s*, Evanston. Sheffield Scientific S., Yale U.
Wyckoff, Hugh Allen, *s*, Cameron, Mo. Missouri Wesleyan C.
Wysor, Nettie Moore, *s*, Dublin, Va. Hollins Inst., Virginia.
Young, Kimball, *a*, Provo, Utah. Brigham Young U.
Yu, Hsi Chi, *s*, Shanghai, China. U. of Illinois.
Ziering, Charles Otto, *s*, Richardton, N.D. Valparaiso U.
Zukerman, William, *s*, Chicago. Northwestern U.
Zwicky, Rudolph, *s*, Chicago. Technikum, Winterthur, Switzerland.

MEN—377 WOMEN—514 TOTAL—891

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UNIVERSITY COLLEGE

GRADUATE STUDENTS

Abbott, Grace, *w*, Grand Island, Neb. Ph.B. (Grand Island C) '98; Ph.M. (*ibid.*) '09. Political Science.

Ackermann, Lillian Beatrice, *a*, *w*, Hubbard Woods. Ph.B. '13. English.

Adams, Mary Joice, *sp*, Chicago. Ph.B. (U. of Michigan) '96; Ph.M. (*ibid.*) '97. History.

Alexander, Edna Kantrowitz, *w*, Chicago. Ph.B. '15. English.

Allen, Don Cameron, *a*, *w*, Harvey. A.B. (Oberlin C.) '08. Education.

Allison, Archibald Merrill, *a*, *w*, *sp*, Sioux City, Iowa. A.B. (Bucknell U.) '01. Mathematics.

Alsager, Christen Martin, *a*, Chicago. A.B. (Lombard U.) '99; A.M. (Northwestern U.) '09; LL.B. (*ibid.*) '08. English.

Ames, Juliette Hephzibah, *sp*, Riverside. S.B. '14. Education.

Aschenbrenner, Kathryn Theiss, *a*, *w*, *sp*, Dyart, Iowa. A.B. (State U. of Iowa) '11. Physics.

Augur, Allison Wix, *a*, *w*, *sp*, Des Moines, Iowa. A.B. (Hillsdale C.) '90; A.M. (U. of Michigan) '93. Physics.

Austin, Charles Moses, *a*, *w*, Waynesville, Ohio. A.B. (Ohio Wesleyan U.) '03. Education.

Austin, Mary Glenn, *w*, *sp*, Leesburg, Va. A.B. '14. Mathematics.

Babcock, Lucy Ella, *a*, *w*, *sp*, Kalamazoo, Mich. Ph.B. (Syracuse U.) '03. Botany.

Baird, Grace Jean, *a*, *w*, Urbana. A.B. (U. of Illinois) '06. Botany.

Baird, Mary Brooks, *a*, *w*, Evanston. A.B. '96. Education.

Baker, Margaret, *w*, Canterville, Iowa. S.B. '98; S.M. '02. Education.

Ball, John Rice, *w*, *sp*, Evanston. A.B. (Northwestern U) '13; D.B. (Garrett Biblical Inst.) '13. Geography.

Bannon, Winifred Agnes, *a*, *w*, Joliet. A.B. (U. of Illinois). English.

Bauman, Edward George, *w*, *sp*, Quincy. Ph.B. (Illinois Wesleyan U.) '96; A.M. (*ibid.*) '99. Education.

Baumann, Lucille, *sp*, Chicago. Ph.B. '15. Natural Science.

Beaton, Eleanor Jessie, *w*, Chicago. A.B. (Northwestern U.) '07. Education.

Beck, Frank Orman, *a*, *w*, Evanston. A.B. (Indiana State U.) '94; A.M. (*ibid.*) '97; S.T.B. (Boston U.) '01. Sociology.

Beers, George Amos, *a*, *w*, Chicago. A.B. '00; A.M. '13. Education.

Bell, Virginia Cordelia, *w*, Monroe City, Mo. B.S. (Missouri U.) '01. Geography.

Bendix, Charlotte Ingabor, *a*, Chicago. Ph.B. '04. English.

Bengston, Caroline, *w*, *sp*, Fort Collins, Colo. A.B. (U. of Nebraska) '03; Ph.M. (*ibid.*) '10. Geography.

Berolzheimer, Beulah, *a*, *w*, Chicago. A.B. (U. of Illinois) '10. Sociology.

Bettinger, Beulah Elizabeth, *a*, *w*, *sp*, Chicago. A.B. (U. of Wisconsin) '12. German.

Bjorkland, Alfred, *a*, *w*, Alta, Iowa. S.B. (Drake U.) '02; S.M. (Drake U.) '03. Education.

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Bjorklund, Anna Eleanor, *sp*, Chicago. Ph.B. '16. Natural Science.
Blount, Mary, *w*, Byron. S.B. (U. of Michigan) '95; Ph.D. (*ibid.*) '08. Hygiene.
Brodbeck, Hazel Eliza, *a*, *w*, Chicago. S.B. '12. Botany.
Buckborough, Siegel, *w*, Bookton, Ontario, Canada. A.B. (Harvard U.) '03; S.M. (*ibid.*) '10. Hygiene.
Buellesfield, Henry, *a*, *w*, *sp*, Forest Park. LL.B. (Valparaiso C.) '01; A.B. (U. of Illinois) '06; A.M. (*ibid.*) '15. Education.
Bumann, Sigel Robert, *a*, *w*, Tahlequah, Okla. Ph.B. '16. Education.
Burleson, Frank Edward, *a*, *w*, Los Angeles, Cal. Ph.B. '14. Sociology.
Burridge, Vera Mildred, *a*, *w*, *sp*, Riverside. A.B. (U. of Michigan) '15. History.
Burton, Sybil, *a*, *w*, Zanesville, Ohio. A.B. (Wellesley C.) '07. English.
Byrne, Helen Cecelia, *a*, *w*, *sp*, Chicago. A.B. (U. of Illinois) '13. English.
Byrne, Mary Eleanor, *a*, *sp*, Chicago. Ph.B. '12. Education.
Calkins, Janet Rosalind, *a*, *w*, Chicago. S.B. '16. German.
Canan, Cuba Quincy, *sp*, La Crosse, Wis. A.B. (U. of Wisconsin) '08. Romance.
Carlin, Philip James, *w*, Chicago. A.B. '15. History.
Chamberlain, Faith, *a*, *sp*, Chicago. A.B. (Northwestern U.) '10. Education.
Clark, John Roscoe, *a*, *w*, *sp*, Fort Wayne, Ind. A.B. (Indiana U.) '12. Education.
Clarke, Alfred Henry, *sp*, Bloomington. S.B. (Illinois Wesleyan U.) '13. Education.
Claussen, Claus Henry, *a*, *w*, Chicago. Ph.B. '15. Natural Science.
Clow, Grace Miranda, *a*, *w*, Plainfield. A.B. (U. of Illinois) '09. English.
Coe, John Edwin, *w*, *sp*, Leavenworth, Kan. A.B. (C. of Emporia) '05; S.M. (U. of Kansas) '13. Mathematics.
Coleman, Elizabeth Sarah Dolby, *a*, *w*, Chicago. A.B. (Northwestern U.) '06. English.
Collins, Mildred Irene, *a*, *w*, Chicago. A.B. (U. of Michigan) '05. Astronomy.
Connery, Catherine Agnes, *a*, Chicago. Ph.B. '15. Mathematics.
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Craigmile, Esther Ann, *a*, *w*, Hinsdale. Ph.B. (Oberlin C.) '99. Botany.
Criswell Elizabeth, *a*, *w*, Joliet. A.B. (Muskingum U.) '06. English.
Crofts, Thomas Jefferson, *a*, Chicago. A.B. (Valparaiso U.) '03; A.B. (Wheaton C.) '13. Mathematics.
Culver, Alvin, *a*, *w*, *sp*, Wilmette. A.B. (Northwestern U.) '93. Public Speaking.
Darst, Clare Lucretia, *a*, *w*, Chicago. A.B. (Oberlin C.) '02. History.
David, Louise Siesel, *a*, Chicago. Ph.B. '13. English.
Davidson, Marie Dorothy, *a*, *w*, Chicago. A.B. (Northwestern U.) '09. Geography.
Davis, Carl DeWitt, *w*, *sp*, Milan, Kan. A.B. (Friends U.) '14. Education.
Davis, William Eli, *a*, *w*, *sp*, Hubbard Woods. S.B. (Michigan Agricultural C.) '89; S.M. (U. of Michigan) '96. Physics.
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Denslow, Raymond Albert, *a*, *w*, Berwyn. A.B. (U. of Wisconsin) '11. Physics.
Doniat, Thecla, *w*, Chicago. Ph.B. '11. German.
Duffy, Agnes Dana, *a*, *w*, Chicago. Ph.B. '13. Education.
Dunn, Elizabeth, *a*, *w*, Chicago. Ph.B. '03. Sociology.
Dunwell, Minnie Mabel, *a*, *w*, Chicago. Ph.B. '05. English.
Durland, Alice Harriet, *a*, *w*, LaGrange. A.B. (U. of Illinois) '10. English.
Eastman, Helen Baker, *sp*, Chicago. Ph.B. '16. History.
Ehler, Harvey Franklin, *w*, Eaton, Ohio. A.B. (Ohio State U.) '12. Education.
Eifrig, Charles William Gustave, *a*, *w*, Oak Park.
Ellbogen, Marguerite, *a*, *w*, Chicago. Ph.B. '15. English.
Ely, Jeannette Eleanor, *a*, *w*, *sp*, Chicago. Ph.B. '11. Botany.
Enge, John Jacobe, *sp*, Chicago.
Ernest, Thomas Reubens, *a*, *w*, *sp*, Chicago. A.B. (U. of Illinois) '07; A.M. (*ibid.*) '08; Ph.D. (*ibid.*) '10. Romance.
Erswell, Alma Berthold, *w*, *sp*, Toledo, Ohio. A.B. (Toledo U.) '14; A.M. (Oberlin C.) '14. English.
Evans, Julia Farwell, *w*, *sp*, Oak Park. A.B. (Northwestern U.) '08. Romance.
Fallon, Nellie Lee, *sp*, Chicago. Ph.B. '15. History.
Fassett, Eunice Louise, *a*, *w*, *sp*, Chicago. Ph.B. '16.
Ferguson, Daniel Webster, *a*, *w*, Mount Sterling, Iowa. Ph.B. '09. English.
Fetter, Hanna, *a*, *w*, Chicago. Ph.B. '15. German.
Finnerty, Vera Constance, *sp*, Chicago. Ph.B. '09. English.
Finkbeiner, Thomas, *a*, *w*, *sp*, Naperville. D.B. (Northwestern C.) '96; Ph.M. (*ibid.*) '04. German.
Fischer, Augustus Radcliffe, *a*, *w*, *sp*, Chicago. Ph.B. '05. Romance.
Flersheim, Elsie, *a*, *w*, Chicago. A.B. '03. Romance.
Foberg, John Albert, *a*, *w*, *sp*, Chicago. S.B. (U. of Illinois) '99. Psychology.
Freethy, Victoria Mary, *a*, *w*, Brookline, Mass. A.B. (Mount Holyoke C.) '10. Education.
Friedman, Rose Gertrude, *a*, *w*, Chicago. A.B. (State U. of Iowa) '11. Sociology.
Frost, Harry Elmer, *w*, Chicago. B.E. (U. of Michigan) '11. Education.
Fuchs, Christine Katherine, *a*, *w*, Chicago. S.B. '10. Botany.
Gavin, Mary Angelica, *a*, *w*, Chicago. Ph.B. '06. English.
Gayman, Bert, *w*, Chicago. S.B. (U. of Illinois) '97. Public Speaking.
Gehan, Eleanor, *a*, *w*, Chicago. Ph.B. '14. English.
Good, Violette Amy, *a*, *w*, *sp*, Chicago. S.B. (Northwestern U.) '07. Education.
Gorsline, William Wood, *a*, Peoria. S.B. '07. Mathematics.
Gunderson, Charles August, *w*, Red Wing, Minn. A.B. (Gustavus Adolphus C.) '05; S.M. (*ibid.*) '14. Botany.
Gunderson, Gudrun Cornelia, *a*, *w*, Chicago. Ph.B. '08. Sociology.
Haff, Josephine Emma, *a*, *w*, Oak Park. A.B. (Northwestern U.) '05. English.
Hale, Vera Helen, *a*, *w*, Chicago. A.B. '09. English.
Hardie, Annie McIntosh, *a*, *w*, Chicago. A.B. '02. Education.
Harding, Edith Janet, *sp*, Chicago. A.B. '03. Geography
Hawthorne, Warren Coleman, *w*, *sp*, Franklin Grove. A.B. (U. of North Dakota) '95; S.M. (*ibid.*) '99. Physics.

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Helmershausen, Maud Minnie Adella, *a*, *w*, Chicago. Ph.B. '14. English.
Hempsher, Annette Gladys, *a*, Chicago. Ph.B. '12. Geography.
Hennessey, Enid, *a*, *w*, Chicago. S.B. (Northwestern U.) '08; S.M. (*ibid.*) '09. Botany.
Hensey, John Louis, *w*, *sp*, Chicago. A.B. (U. of Wisconsin) '10. History.
Herstein, Ethel Lillian, *a*, *w*, Chicago. A.B. (Northwestern U.) '07. Public Speaking.
Herwood, Corabel Kate, *w*, *sp*, Chicago. A.B. (Northwestern U.) '09. Botany.
Hibler, Helen Holmes, *a*, Chicago. S.B. '13. English.
Holland, Mussey, *a*, *w*, Chicago. Ph.B. '15. Public Speaking.
Holt, Marx Ernest, *a*, De Kalb. S.B. '11. Mathematics.
Houghteling, Leila, *a*, *w*, Chicago. A.B. (Bryn Mawr) '11. Sociology.
Howell, Bertha Blanchard, *a*, *w*, Evanston. A.B. (Northwestern U.) '11; A.M. (Leland Stanford Junior U.) '14. Sociology.
Hubbell, Jennie Irene, *a*, *w*, Chicago. A.B. '10. Romance.
Huber, Crescenta, *a*, *w*, *sp*, Chicago. Ph.B. '16. German.
Hudd, Nellie Catherine, *a*, *w*, *sp*, Chicago. Ph.B. '15. English.
Hunt, Abigail May, *a*, Chicago. Ph.B. '03. Botany.
Jamieson, Minnie Mars Arnold, *a*, *w*, *sp*, Chicago. Ph.B. '09. History.
Jamieson, Thomas Cumming MacMillan, *a*, *w*, *sp*, Chicago. Ph.B. '10. Education.
Jeffrey, Robert Gordon, *a*, Chicago. Ph.B. '02. Education.
Jenks, Ona Mack, *a*, *w*, *sp*, Chicago. B.L. (Ohio Wesleyan U.) '07. History.
Jenks, Royal Edward, *a*, *w*, Chicago. B.L. (Ohio Wesleyan U.) '08. Botany.
Jewell, Charles Sherman, *a*, *w*, *sp*, Winnetka. A.B. (Allegheny C.) '91; A.M. (*ibid.*) '93. Physics.
Jewell, Helen Mabel, *a*, *w*, Evanston. A.B. (Northwestern U.); A.M. (*ibid.*). Sociology.
Johnson, Anna Margaret, *a*, *w*, *sp*, Henderson Harbor, N.Y. Ph.B. '14. English.
Jones, Joseph Henry, *a*, *w*, Hughesville, Md. B.S. (Earlham C.) '09. Botany.
Karmsen, Zelma, *a*, *w*, *sp*, Chicago. Ph.B. '12. German.
Keating, Frances Parnell, *a*, *w*, *sp*, Chicago. A.B. '11. Political Economy.
Keefe, Louise, *a*, *w*, Chicago. A.B. (Knox C.) '05. Romance.
Kelley, Grace Osgood, *w*, *sp*, Chicago. A.B. (U. of Illinois) '08. Public Speaking.
Kinney, Jacob Millison, *sp*, Chicago. A.B. (U. of Indiana) '04; A.M. (U. of Nebraska) '07. Mathematics.
Klages, Anna Louise, *a*, *w*, Chicago. Ph.B. '12. German.
Kotz, Raymond Casler, *sp*, Chicago. S.B. (Northwestern U.) '07; LL.B. (Chicago Kent C.) '15. Education.
Kracke, Ella Wilhelmina, *sp*, Chicago. S.B. (Northwestern U.) '10. Botany.
Laird, Helen Djeuchar, *w*, *sp*, Ashtabula Harbor, Ohio. A.B. (Oberlin C.) '10. Education.
Landsberg, Clara, *a*, *w*, Chicago. A.B. (Bryn Mawr) '97. German.
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Leech, Esther Olive Birch, *sp*, Chicago. A.B. '15. Education.

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Lents, Cyrus William, *a*, *w*, *sp*, Harvey. A.B. (U. of Illinois) '13; A.M. (*ibid.*) '14. Botany.
Lesem, Josephine, *a*, *w*, Quincy. Ph.B. '08. History.
Levy, Lillian Magdaline, *a*, *w*, Chicago. S.B. '14. Natural Science.
Lewis, Kate, *a*, Newport News, Va. A.B. (Randolph-Macon U.) '14.
Lewis, Ralph Martin, *sp*, Morrison. A.B. (U. of Montana) '15. Education.
Libis, Metta Maud Miller, *a*, *w*, Chicago. A.B. (Oberlin C.) '97. English.
Libonati, Elliodor, *w*, *sp*, Chicago. Ph.B. '14. History.
Listenfelt, Hattie, *a*, *w*, *sp*, Pannville, Ind. A.B. (Indiana U.) '07; A.M. (U. of North Dakota) '12. History.
Livingston, Mary Buchanan, *a*, *w*, Chicago. Ph.B. '13. History.
Lobanoff, Vera Theodora, *sp*, Wilmette. S.B. (Northwestern U.) '17. Public Speaking.
Lockwood, Stephanie Vervait, *a*, *w*, *sp*, Chicago. Ph.B. '07. Romance.
Loomis, Hiram Kingman, *w*, Chicago. S.B. '14. Mathematics.
Loucks, Mabel Ray, *a*, *w*, Chicago. Ph.B. '15. Education.
Lucey, Katherine Loretto, *a*, *w*, Ottawa. Ph.B. '10. English.
McBride, James Laurence, *w*, *sp*, Chicago. Ph.B. '16. Geography.
McCall, Charlotte Agatha, *a*, *w*, Chicago. Ph.B. '16. English.
McCarthy, Ida Marie, *a*, *w*, *sp*, Chicago. Ph.B. '06. English.
McCracken, Francis Joseph, *w*, *sp*, Chicago. Ph.B. '12. Mathematics.
McDaniel, Moses Stanley, *sp*, Evanston. A.B. (U. of Wisconsin) '08; A.M. (*ibid.*) '12. History.
MacEachern, Jessie Anne, *a*, *w*, Chicago. Ph.B. '16. Mathematics.
McIntosh, Mary May, *w*, *sp*, Oberlin, Ohio. A.B. (Oberlin C.) '08. English.
Mackin, Eugenie, *w*, *sp*, Chicago. A.B. (U. of Nebraska) '00; A.M. (*ibid.*) '01. Education.
MacLennan, Edgar Allan, *a*, *w*, Chicago. A.B. (Dartmouth C.) '04. Romance.
McLeod, Laurence Spurgeon, *sp*, Pangburn, Ark. A.B. (U. of Arkansas) '12. Education.
Magee, Helen Dorcas, *w*, Chicago. Ph.B. '13. Psychology.
Maher, Lawrence, *w*, Chicago. Ph.B. '14. Education.
Maine, Helen Caldwell, *a*, *w*, *sp*, Chicago. S.B. '13. Education.
Mann, Mary Rowena, *a*, *w*, Ithaca, N.Y. S.B. (State U. of Iowa) '91. Sociology.
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Mannhardt, Meta Clementine, *a*, *w*, *sp*, Chicago. S.B. '07. Physics.
Manny, Mary, *a*, Chicago. Ph.B. '16. Education.
Messelheiser, Harriet Mae, *a*, Chicago. Ph.B. '16. Education.
Meyer, Mabel Matilda, *a*, *w*, *sp*, Chicago. A.B. (U. of Wisconsin) '11. Education.
Meyer, Michael Israel, *a*, *w*, *sp*, Chicago. S.B. '08. Physics.
Meyer, Nell Anna, *sp*, Anthony, Kan. Ph.B. '13. History.
Miller, Arthur Clair, *sp*, Chicago. A.B. (Wabash C.) '11. Botany.
Miller, Frank Lester, *w*, *sp*, Harvey. A.B. (Ohio Wesleyan U.) '82; A.M. (*ibid.*) '85. Psychology.
Miller, Orion Melvin, *sp*, Rochester, Ind. A.B. (U. of Indiana) '04. Mathematics.
Miller, Sebastian Christian, *a*, *w*, *sp*, McPherson, Kan. A.B. (McPherson C.) '06; A.M. (*ibid.*) '07. Education.

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Mitchell, Constance Mines, *a*, Bubble, Ark. A.B. (U. of Illinois) '11. Sociology.
Morse, Phoebe, *w*, *sp*, Chicago. Ph.B. '16. English.
Morton, Caroline, *w*, Highland Park. S.B. (Kansas State Agricultural C.) '06. Education.
Mosser, Ida Victoria, *sp*, Mount Vernon, Ohio. Ph.B. '16. German.
Moulton, Lewis Henry, *w*, *sp*, Chicago. Ph.B. (U. of Wisconsin) '05. English.
Movitz, Lena Rosella, *a*, *w*, *sp*, Ashland, Wis. Ph.B. '08. German.
Murphy, Rose Anne, *w*, Chicago. Ph.B. '14. English.
Murray, Alice Maria, *sp*, Chicago. Ph.B. '15. Botany.
Mussehl, Frederick Otto, *sp*, Jefferson, Wis. Ph.B. (U. of Wisconsin) '10. Education.
Nichelson, Arthur Manford, *a*, *w*, *sp*, Stockett, Mont. Ph.B. '12; A.M. '14. Botany.
Nichols, Fred Richardson, *a*, *w*, Chicago. S.B. '12. Physics.
Nichols, Josephine Edna, *w*, *sp*, Chicago. Ph.B. '12. Geography.
O'Brien, Edward LaRue, *a*, *w*, *sp*, Oak Park. A.B. (U. of Michigan) '11. Physics.
O'Brien, Mary Henrietta, *a*, *w*, *sp*, Evanston. Ph.B. '04. Romance.
O'Hair, Claire, *a*, *w*, *sp*, Laporte, Ind. A.B. (U. of Illinois) '08. German.
Olkon, David Mortimer, *a*, *w*, *sp*, Chicago. S.B. '15. Education.
O'Neill, Nina Marguerite, *a*, *w*, Chicago. Ph.B. '15. Sociology.
Owen, Jesse Myron, *a*, *w*, Chicago. Ph.B. (Iowa C.) '00. History.
Parker, Eleanor Ophelia, *w*, *sp*, Chicago. A.B. '05. History.
Parker, Helen Mary, *w*, *sp*, Chicago. Ph.B. '11. Education.
Patton, Helen Prindle, *a*, *w*, Evanston. A.B. (Northwestern U.) '12. English.
Patterson, Maud May, *a*, *w*, Rockford. A.B. (U. of Illinois) '04. Education.
Peabody, Augustus Stephen, *w*, Chicago. A.B. (Yale U.) '95. Russian.
Pease, Gertrude Elizabeth Stewart, *a*, *w*, *sp*, Chicago. S.B. '15. German.
Pease, William Arthur, *a*, Chicago. A.B. (Northwestern U.) '93. History.
Petry, Emery Herbert, *a*, *w*, Eldorado, Ohio. A.B. (Miami U.) '11. Education.
Petty, Cora Eliza, *w*, *sp*, Morris. A.B. (U. of Michigan) '05. Education.
Piety, James, *a*, *w*, *sp*, Terre Haute, Ind. A.B. (Indiana U.) '02. Mathematics.
Plapp, Frederick William, *w*, Chicago. A.B. (Dartmouth C.) '85; A.M. (*ibid.*) '92. Education.
Poore, William Earl, *w*, *sp*, Hinckley. S.B. '13. Education.
Porter, James Foster, *w*, Chicago. A.B. (Harvard U.) '95; A.M. (*ibid.*) '96. Physics.
Powers, Loraine Margaret, *sp*, Chicago. B.S. (Northwestern U.). Natural Science.
Pyle, John Freeman, *a*, *w*, *sp*, Hazleton, Ind. Ph.B. '17. History.
Quick, Oscar, *sp*, Chicago. A.B. (Harvard U.) '95; A.M. (*ibid.*) '96. Physics.
Radebaugh, Stella, *w*, *sp*, Chicago. A.B. '08. Hygiene.
Rawll, Ruby Eleanor, *sp*, Oak Park. Ph.B. (Northwestern U.) '01; Ph.M. (*ibid.*) '02. Natural Science.
Reed, Henry Thomas, *a*, *w*, Greenville, Ky. A.B. (Kentucky Wesleyan U.) '06; A.M. (*ibid.*) '11. History.
Reilly, Caroline Lynch, *a*, Chicago. Ph.B. '16. Geography.
Reynolds, Mary Ellen, *a*, *w*, *sp*, Chicago. Ph.B. '17. Astronomy.

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Reynolds, Vera Sarah, *a*, Berrien Springs, Mich. A.B. (Albion C.) '05; A.M. (U. of Minnesota) '14. History.
Rhodes, Margaret, *w*, *sp*, Chicago. Ph.B. '14. English.
Rich, Lora Antoinette, *a*, *w*, Norwood Park. A.B. '07. Romance.
Richardson, Ethel May, *a*, *w*, Chicago. Ph.B. '15. English.
Richardson, Mary Meyleet, *a*, *w*, Evanston. A.B. (Vassar C.) '96. History.
Rickard, Garrett Edward, *a*, *w*, *sp*, Oakland City, Ind. A.B. (Indiana U.) '12; A.M. (*ibid.*) '16. English.
Roberts, Elsie Mae, *w*, LaGrange. A.B. (Cornell C.) '13. Sociology.
Roberts, Florence, *a*, *w*, Evanston. A.B. (Northwestern U.) '12. Public Speaking.
Roberts, Louise Antoinette, *w*, *sp*, Evanston. A.B. (Northwestern U.) '11; A.M. (*ibid.*) '13. Biblical Literature.
Robertson, Elizabeth Wells, *a*, *w*, Chicago. Ph.B. '05; Ed.B. '06. English.
Rochlitz, Lucille, *w*, Chicago. A.B. '06. Education.
Rosenbluth, Celia, *a*, Chicago. Ph.B. '15. German.
Rundquist, Vanja Estelle, *a*, *w*, Moline. A.B. '05. Sociology.
Runge, Francis Willis, *w*, Evanston. S.B. (Beloit C.) '06. Mathematics.
Russell, Ruth Corolina, *w*, Chicago. S.B. '12. Botany.
Sackheim, Solomon, *a*, *w*, Chicago. S.B. (Armour Inst.) '11. Education.
St. George, Ida, *a*, *w*, Brockton, Mass. A.B. (Boston U.) '97; A.M. (*ibid.*) '07. Sociology.
Schell, Albert Leslie, *w*, Wichita, Kan. B.S. (Kansas State U.) '09; A.B. (Friends U.) '11. Botany.
Schenk, Otto, *a*, *w*, *sp*, Chicago. A.B. (U. of Michigan) '08; S.M. (*ibid.*) '09. Physics.
Schlueter, Elsie W., *a*, *w*, Chicago. Ph.B. '15. German.
Schoeppel, Frederick Otto, *a*, *w*, South Bend, Ind. S.B. '15. Education.
Schrader, Harriet Newell, *w*, *sp*, Chicago. A.B. (Oberlin C.) '98. English.
Schreiner, Caroline Hafner, *a*, *w*, Chicago. S.B. (Northwestern U.) '12. German.
Scott, Alice Elizabeth, *a*, *w*, Chicago. Ph.B. '16. Natural Science.
Scott, Florence Rie, *a*, Chicago. Ph.B. '07. English.
Scott, Orion Cotton, *w*, *sp*, Berwyn. Ph.B. '78; A.M. (State U. of Iowa) '80. English.
Sedgwick, Laura May, *w*, *sp*, Hinsdale. Ph.B. (Drake U.) '03. English.
Shine, Joseph Bernard, *a*, *w*, *sp*, Chicago. Ph.B. '15. History.
Shipman, Jennie Spaulding, *a*, *w*, Joliet. A.B. (Smith C.) '01. Romance.
Shirley, William Matthews, *a*, *w*, Chicago. Ph.B. '16. Geography.
Skinner, John Knox, *sp*, Chicago. A.B. (U. of Illinois) '14. Physics.
Smith, Ada Belle, *a*, *w*, *sp*, Hanover, Mich. S.B. '12. English.
Smith, Alice Harriet, *sp*, Chicago. Ph.B. '07. Public Speaking.
Smith, Bertha Mabel, *a*, *w*, *sp*, Granville, Ohio. A.B. (Denison U.) '05. Education.
Smith, Grant, *a*, *w*, Chicago. B.S. (U. of Wisconsin) '97; M.S. (*ibid.*) '99; Ph.D. (Harvard U.) '04. Botany.
Smith, James Henry, *a*, *w*, Chicago. Ph.B. '15; A.M. '16. Education.
Smith, Loretta, *sp*, Maywood. Ph.B. '08. Natural Science.

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Smith, Myra Virginia, *a*, *w*, Chicago. A.B. '02. Sociology.
Smyth, Agnes Alexandria, *a*, *w*, Chicago. Ph.B. '05. Education.
Snively, Letitia Rowena, *w*, Chicago. B.L. (U. of Wisconsin) '98. Romance.
Stafford, Francesca Beatrice Colby, *sp*, Chicago. A.B. '04. English.
Steininger, Lillian, *a*, Chicago. S.B. '13. Education.
Stephen, Welthy, *a*, *sp*, Chicago. Ph.B. '03. History.
Stevens, Alice Mertz, *a*, *w*, *sp*, Burnetts Creek, Ind. A.B. (U. of Indiana) '96; Ph.B. (*ibid.*) '10; A.M. (*ibid.*) '12. English.
Stevenson, Nora Belle, *w*, *sp*, Chicago. Ph.B. '08. English.
Stillman, Charles Brockway, *a*, *w*, Wilmette. A.B. (Albion C.) '05. Education.
Sulzer, Harriet Louise, *a*, *w*, *sp*, Chicago. S.B. '15. Botany.
Taylor, Edward Earl, *a*, *w*, Chicago. A.B. (U. of Michigan) '12. Geography.
Theilgaard, Sophie Annette, *sp*, Chicago. Ph.B. '15. Public Speaking.
Thomas, John Berkeley, *sp*, Chicago. A.M. (Emory and Henry C.) '90. Mathematics.
Tower, Rosamond Mayo, *a*, *w*, Chicago. A.B. '07. English.
Ullman, Frederic, *a*, *w*, *sp*, Highland Park. A.B. (Princeton U.) '06. Public Speaking.
Utter, Caroline Jane, *a*, *w*, *sp*, Chicago. Ph.B. '17. Education.
Vaile, Florence Isabella, *a*, *w*, Oak Park. A.B. (Smith C.) '04. Public Speaking.
Van Auken, Clarice, *w*, *sp*, Indiana Harbor, Ind. A.B. (U. of Wisconsin) '09. Education.
Van Campen, Marion Kelly, *sp*, Knoxville, Tenn. Ph.B. '12. Education.
Walkerly, Victoria, *a*, Chicago. A.B. (U. of Illinois) '14. Public Speaking.
Webber, Walter Owen, *a*, *w*, Defiance, Ohio. A.B. (Defiance C.) '04; A.M. (*ibid.*) '08. Sociology.
Webster, Roy Franklin, *a*, *w*, *sp*, Chicago. A.B. (U. of Illinois) '06. Education.
Westhafer, Clara Anna, *a*, *w*, Hartsville, Ind. Ph.B. '16. English.
Wheeler, Helen Lenore, *a*, Oak Park. A.B. (Northwestern U.) '10. History.
Whitten, John Hamilton, *sp*, Chicago. Ph.D. (U. of Illinois) '14. Botany.
Willard, Chauncey Cloud, *a*, *w*, *sp*, Chicago. Ph.D. (Drake U.) '03. History.
Willard, Mary Frances, *a*, *w*, *sp*, Chicago. A.B. (Smith C.) '90. Education.
Witmer, John Earl, *a*, *w*, *sp*, Forest Park. Ph.B. (Iowa C.) '94. Education.
Zeigler, Thomas Heyward, *sp*, Clinton, Iowa. Ph.B. (Iowa C.) '01. Public Speaking.
Zimmerman, Jacob Fredrich, *w*, Butler, S.D. A.B. (Charles City C.) '11; Ph.B. (*ibid.*) '12; A.M. (*ibid.*) '13. Romance.
Zurawski, Mary Evelyn, *a*, *w*, Chicago. Ph.B. '08. History.

MEN—106 WOMEN—182 TOTAL—288

SENIOR STUDENTS

Adams, Cornelia Belden, *sp*, Saugatuck, Mich. Northwestern U.
Addicks, Helene, *a*, *w*, *sp*, Chicago. Erasmus Hall.
Altpeter, Mabel Gerdena, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Andersen, Agnes Marie, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Anderson, Alvina Marie, *w*, Chicago. Chicago Normal S.

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Anderson, Clara Belle, *a, w,* Chicago. Chicago Normal S.
Anderson, Frederick Reade, *a, w, sp,* Glenville. Chicago Theological Sm.
Anderson, Sadie, *a, w, sp,* Chicago. Chicago Normal S.
Angus, Helen Baxter, *a, w,* Chicago. Wendell Phillips Hs.
Arlington, Gladys Louise, *w, sp,* Chicago. Lewis Inst.
Babcock, Ruth Hockaday, *a, w, sp,* Chicago. Chicago Teachers C.
Balczynski, Theodora Hattie, *s, w,* Chicago. Chicago Teachers C.
Baughman, Jeannette Gash, *a, w,* Chicago. Chicago Normal S.
Bayle, Ilma Mary, *a, w, sp,* Chicago. Chicago Normal S.
Beck, Lillian Estelle, *a, w,* Chicago. Chicago Normal S.
Bentz, Jeannette Katharine, *w, sp,* Chicago. U. of Wisconsin.
Berglund, Edith, *a, w,* Indiana Harbor. East Chicago Hs.
Berlizheimer, Celia, *a, w, sp,* Chicago. Chicago Normal S.
Blish, Elizabeth Mary, *a, w, sp,* Chicago. St. Xavier's A.
Bodenschatz, Charlotte Elizabeth, *a, w, sp,* Chicago. Chicago Teachers C.
Boland, Alice Mary, *a, w,* Chicago. Chicago Normal S.
Bollman, Betty Adelheid, *a, w,* Wilson, Minn. Northern Illinois State Normal S.
Born, William Theodore, *a, w, sp,* Oak Park. Chicago Normal S.
Bostrom, Esther Olivia, *a, w,* Chicago. Chicago Normal S.
Brant, Mary Kathryn, *a, w, sp,* Frankfort, Ind. Northern Illinois State Normal S.
Bridgam, Erna, *a, w, sp,* Chicago. Chicago Teachers C.
Bridges, Eula Grace, *a, w,* Downing, Mo. Kirksville, Mo., Normal S.
Brooks, Helen Louise, *a, w, sp,* Zion City. Northern Illinois State Normal S.
Brown, Edith, *a, w, sp,* Chicago. Chicago Normal S.
Brown, Gertrude Lucretia, *a, w, sp,* Lyons. Chicago Teachers C.
Brown, Ida Catherine, *a, w,* Chicago. Oshkosh Normal S.
Brown, Lillian Bon Rowe, *a, w, sp,* Chicago. Lewis Inst.
Buckley, Lucy, *a, w,* Chicago. Chicago Normal S.
Buckley, Luella Eleanor, *a, w,* Chicago. Chicago Teachers C.
Buckley, Marie Genevieve, *a, w,* Chicago. Chicago Normal S.
Bullen, Alice Shirley, *a, w, sp,* Chicago. Lewis Inst.
Burke, Mary Virginia, *w,* Chicago. U. of Wisconsin.
Burke, Paula, *a, w,* Chicago. Creston, Iowa, Hs.
Burns, Helen Ketcham, *a, w, sp,* Chicago. Chicago Normal S.
Burt, Louise, *a, w,* Chicago. Lewis Inst.
Buxton, Edith Jane, *a, w, sp,* Chicago. Lewis Inst.
Cahill, Bartholomew Josselyn, *a, w, sp,* Chicago. Michigan State Normal C.
Caprez, Agnes, *a, w,* Chicago. Chicago Normal S.
Carmichael, Jean, *a, w,* Chicago. Chicago Teachers C.
Carpenter, Lewis Moffitt, *a, w, sp,* Chicago. U. of Illinois.
Carter, Nora Alberta, *a, w,* De Kalb. Northern Illinois State Normal S.
Cassin, Alice Aloysia, *a, sp,* Chicago. Oneonta, N.Y., Normal S.
Cavanaugh, Alphonso Wirth, *w, sp,* River Forest. Michigan State Normal C.
Chandler, Mabel Grandy, *a, w, sp,* Shiocton, Wis. Oshkosh Normal S.
Claussen, Elsa Marie, *a, w, sp,* Chicago. U. of Wisconsin.
Cleve, Laura Karen, *a, w,* Chicago. Chicago Normal S.
Clinton, Catherine Mary, *a, w,* Chicago. Chicago Normal S.

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Colby, Evelyn Florence, *a, w, sp,* Chicago. Chicago Normal S.
Colby, Rose Lillian, *a, sp,* Chicago. Notre Dame C., Philadelphia.
Colnon, John Aaron, *a, w,* Chicago. Loyola U.
Cook, Genevieve, *a,* Chicago. Oshkosh, Wis., Normal S.
Costello, Mary Gertrude, *w,* Chicago. Chicago Normal S.
Craney, Mary Emily, *a, w,* Chicago. Lewis Inst.
Creed, Elsie May, *a, w, sp,* Cleveland, Okla. Southern Illinois State Normal S.
Creekmur, Frances, *sp,* Chicago. University Hs.
Croake, Frances, *a, w,* Chicago. Lewis Inst.
Cronin, Anna Laconia, *a, w, sp,* Chicago. Chicago Normal S.
Cullen, Helen, *a, w, sp,* Chicago. Chicago Normal S.
Cuneo, Rose Yolanda, *a, w,* Chicago. Chicago Normal S.
Dahlstrom, Selma Marie, *w, sp,* Chicago. Chicago Normal S.
Daisy, Cornelia Bianca, *a, w,* Chicago. Chicago Normal S.
Dameier, Mary Henrietta, *a, w, sp,* Chicago. Lake View Hs.
Davenport, Jessie Charlotte Muriel, *a, w, sp,* Evanston. U. College, Cardiff, England.
Delaney, Hazel Frances, *w, sp,* Chicago. U. of Wisconsin.
Deuter, Aimee, *a, w, sp,* Chicago. South Division Hs.
Dixon, Helen, *a, w, sp,* Chicago. Chicago Normal S.
Doak, Fred, *a, w, sp,* Chicago. Valparaiso U.
Doctor, Marguerite Irene, *a, w,* Chicago. Chicago Normal S.
Doolin, Adrian Michael, *w,* Chicago. South Division Hs.
Doran, Nora Frances, *a, w, sp,* Chicago. Chicago Normal S.
Dow, Jane Mary, *sp,* Manhattan, Kan. Kansas State Agricultural C.
DuBoff, Ida Susan, *a, w, sp,* Peoria. Lewis Inst.
Dunleavy, Mary Loretta, *a, w,* Chicago. Lewis Inst.
Edelstein, Jessie, *a, w,* Chicago. Chicago Normal S.
Elliott, Florence Grace, *a, w,* Chicago. South Division Hs.
Enelow, Helen, *a, w, sp,* Chicago. U. of Illinois.
Erickson, Ellen, *a, w,* Chicago. Chicago Teachers C.
Fassett, Rosalie Roach, *w, sp,* Winnetka. Chicago Inst.
Fish, Martha Isabel, *sp,* Chicago. Lewis Inst.
FitzGerald, George Raymond, *a, w,* Chicago. Chicago Normal S.
Fleming, Anna Wills, *a* Chicago. Valparaiso U.
Fletcher, Agnes Josephine, *a, w, sp,* Chicago. Chicago Normal S.
Fluke, Autha Lucretia, *a, w, sp,* Chicago. North Division Hs.
Fogelson, Lena, *a, w, sp,* Chicago. Chicago Teachers C.
Frank, Irene Marie, *a, w, sp,* Chicago. Chicago Normal S.
Freeman, Mary Ellen, *a, sp,* Chicago. Chicago Normal S.
French, Gladys Patricia, *a, w, sp,* Chicago. Chicago Normal S.
Friedman, Elsa Beifeld, *a, w,* Chicago. Wendell Phillips Hs.
Furrow, Grace Ola, *a, w, sp,* Hood River, Ore. Oberlin C.
Gabel, Otto Jacob, *sp,* Shabbona. Northern Illinois State Normal S.
Gager, Edna Ione, *a, w,* Plainwell, Mich. Chicago Teachers C.
Gallagher, Bernice A., *a, w, sp,* Chicago. Harvard Summer S.
Gibbons, Kathleen Mary, *a, w, sp,* Chicago. Chicago Normal S.
Giffey, Hertha, *a, w,* Oak Park. Chicago Normal S.

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Gilpatrick, Mabel Ethel, *a, w,* Chicago. Northern Illinois State Normal S.
Gilso, Marguerite E., *a, sp,* Chicago. Chicago Normal S.
Goldsmith, Emily David, *a, w, sp,* Chicago. Lewis Inst.
Goossens, Annie, *a, w, sp,* Chicago. Lewis Inst.
Grafius, Ella Louise, *a, w, sp,* Chicago. West Division Hs.
Haas, Helen, *a, w, sp,* Chicago. Chicago Normal S.
Hacker, Fred Alvin, *sp,* Chicago. Warrensburg, Mo., State Normal S.
Hackett, Margaret Keenan, *w, sp,* Chicago. Hyde Park Hs.
Hagboldt, Peter Herman, *a, w, sp,* Chicago. Handels Hochschule, Cologne, Germany.
Hahn, Hilda Dorothy, *a, w,* Chicago. Chicago Normal S.
Hale, Katherine Sedgwick, *a, w, sp,* Chicago. Hyde Park Hs.
Halik, Elsa Marie, *w,* La Crosse, Wis. La Crosse Normal S.
Hall, Mildred Josephine, *a, w, sp,* Chicago. Chicago Normal S.
Hanley, Grace Marie, *a, w,* Chicago. Chicago Normal S.
Hanlon, Mary Ruth, *a, sp,* Chicago. Chicago Normal S.
Hanson, Helen Matilda, *a, w, sp,* Chicago. Chicago Normal S.
Harrison, Mary Ella, *a, w,* Chicago. Wendell Phillips Hs.
Hattendorf, Mary Brooks, *a, w, sp,* Western Springs. Chicago Normal S.
Healy, Ada Margaret, *a, w,* Chicago. Chicago Normal S.
Heinemann, Cora De Graff, *sp,* Chicago. Classical S., Evansville, Ind.
Helmershausen, Henry Warren Frederick, *a, w, sp,* Chicago. Northern Illinois State Normal S.
Heuermann, Emma Josephine, *a, w, sp,* Chicago. North Division Hs.
Hill, Elizabeth, *a, w, sp,* Chicago. Englewood Hs.
Hoehn, Carolyn Christine, *a, w, sp,* Chicago. Chicago Normal S.
Hoerr, Charles F., *a, w,* Chicago. Chicago Athenaeum.
Hornbaker, Esther Perry, *w, sp,* Chicago. Wilmington, Ill., Hs.
Hostetler, Ruth, *w,* Evanston. U. of Illinois.
Houghteling, Norma, *a, w, sp,* Chicago. Chicago Normal S.
Howard, Clara Eulalie, *sp,* Benton. U. of Illinois.
Hoy, Mabelle Alice, *a, w, sp,* Naperville. Northern Illinois State Normal S.
Hughes, Elizabeth Frances, *w, sp,* Chicago. St. Vincent Hs.
Hunt, Mary Frances, *a, w, sp,* Chicago. Lewis Inst.
Ingham, Alice, *a, w, sp,* Berwyn. U. of Illinois.
Irwin, Alice Mae, *a, w, sp,* Chicago. Northern Illinois State Normal S.
Isay, Hattie Gombrig, *sp,* Chicago. Chicago Normal S.
Israel, Helen Marie, *w, sp,* Chicago. Chicago Normal S.
Jacobs, Nellie Marie, *a, w,* Evanston. De Kalb State Normal S.
Jacobson, Fannie, *a, w,* Highland Park. Private Study.
James, Albert Ward, *sp,* Columbus, Ind. State Manual Training Normal S., Pittsburg, Kan.
Jeffrey, Florence Beebe (Mrs.) *a, w, sp,* Chicago. South Division Hs.
Jenkinson, Jennie Simmons, *a, w, sp,* Arlington Heights. U. of Michigan.
Jenks, Ethel Miriam, *a, w, sp,* Aurora. Lewis Inst.
Johnson, Agnes Ellen, *a, w, sp,* Chicago. Chicago Normal S.
Johnson, Alice, *sp,* Oxford, Miss. U. of Mississippi.
Johnson, Esther C. M., *a, w, sp,* Chicago. Chicago Teachers C.

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Johnson, Frances Linnea, *a, w,* Chicago. Chicago Normal S.
Johnson, John Alfred, *w,* Chicago. Cook County Normal S.
Johnson, Stella Mamie, *a, w, sp,* Chicago. Chicago Normal S.
Johnson, Thomas C., *a, w, sp,* Chicago. Northwestern U.
Kane, Annie Marie, *a, w, sp,* Chicago. Northwestern U.
Kearins, Nellie Cecilia, *a, w, sp,* Chicago. Chicago Normal S.
Keller, Ernest August, *sp,* Chicago. John Marshall Hs.
Kelly, Stella Florence, *a, w, sp,* Chicago. Chicago Teachers C.
Kennedy, Bessie Mary, *a, w, sp,* Chicago. Chicago Teachers C.
Kerner, Caroline Ella, *a, w, sp,* Cicero. Chicago Normal S.
Kettelhon, Luelle Esther, *a, w, sp,* Columbus, Wis. Milwaukee Normal S.
Kimball, Alice Mary, *a, w, sp,* Chicago. Chicago Teachers C.
Klaas, Clara Elsie, *sp,* Chicago. Chicago Normal S.
Kohn, Walter Frederic, *sp,* Chicago. John Marshall Hs.
Koopman, Anne, *a, w, sp,* Chicago. Chicago Normal S.
Kuhlmann, Claire Laurel, *a,* Chicago. Central Michigan Normal S.
Lagorio, Veronica Rose, *a, w,* Chicago. Chicago Normal S.
Lane, Bessie Eunice, *a, w,* Chicago. State Normal S., Warrensburg, Mo.
Lanphier, Marion Foster, *a, w,* Chicago. Chicago Normal S.
Larkin, Jane Frances, *a, w,* Chicago. Chicago Normal S.
Larkin, Rosina, *a, w,* Chicago. Chicago Normal S.
Larsen, Hazel Fern, *a, w, sp,* Chicago. Chicago Teachers C.
Larsen, Lillian Marguerite, *a, w, sp,* Chicago. Chicago Teachers C.
Larson, Elsie Ruth, *a, w,* Chicago. Chicago Normal S.
Latimer, Marjorie Eldridge, *sp,* Chicago. Hyde Park Hs.
Le Compt, Pearl Ault, *a, w, sp,* Peirce City, Mo. Peirce City Hs.
Leonhard, Vera Josephine, *sp,* Severance, Kan. McPherson Hs.
Leslie, Myrta Oliver, *a, w, sp,* Chicago. Ferris Inst.
Levin, Mollie, *a, w, sp,* Chicago. Chicago Normal S.
Linner, Myrtle Christine, *w, sp,* Chicago. Chicago Normal S.
Liska, Josephine Katherine, *sp,* Chicago. Chicago Normal S.
Long, May Agnes, *a, w,* Rockford. Northern Illinois State Normal S.
Loucks, Mildred Myrtle, *a, w,* Chicago. U. of Wisconsin.
Lowman, Charles Elliott, *a, w, sp,* Des Plaines. U. of Illinois.
Lundquist, Esther Beatha, *w,* Chicago. Chicago Teachers C.
McCauley, Elizabeth Shafer, *w, sp,* Chicago. Chicago Normal S.
McCluskey, Katharine Lucille, *w, sp,* Pinckney, Mich. Michigan State Normal C.
McCormick, Julia Jane, *a, w, sp,* Shabbona. Northern Illinois State Normal S.
MacDougal, Lydia Arma, *a, w, sp,* Chicago. Covington, N.Y., Acad.
McElligott, Saide Ann, *a, w,* Chicago. Chicago Teachers C.
McGrath, Della Lucretia, *a, w, sp,* Chicago. Lewis Inst.
McGuire, Catherine Modesta, *a, w,* Chicago. Lake Hs.
McGuire, Honora Elizabeth, *a, w,* Chicago. Lake Hs.
McInerny, Katharine Anne, *a, w, sp,* Chicago. Chicago Normal Summer S.
McLean, Sarah, *a, w, sp,* Chicago. U. of Illinois.
McLindon, Lauretta Margaret, *a, w, sp,* Chicago. American Conservatory.
McMeen, Josephine Elizabeth, *a, w,* Chicago. Chicago Normal S.

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McQuaid, Mary Rose, *sp*, Chicago. Art Inst.
McWilliams, Annie Catherine, *a*, *w*, Chicago. Salford Training C., Manchester, England.
Maddock, Frances Margaret, *a*, *w*, *sp*, Oak Park. U. of Wisconsin.
Maddock, Rosa Goodeve, *w*, *sp*, Chicago. Chicago Normal S.
Maine, Frances Walker, *a*, *w*, Chicago. Englewood Hs.
Manz, Annie Marie, *a*, *w*, Chicago. Chicago Teachers C.
Martin, Mildred Marie, *sp*, Washington, Iowa. Milwaukee-Downer C.
Mason, Grace Susan, *a*, *w*, *sp*, Chicago. Rockford C.
Mathews, Willard Lee, *a*, *w*, Suring, Wis. U. of Wisconsin.
Meehan, Mary Bernice, *w*, *sp*, Chicago. Chicago Normal S.
Melton, Charles E., *a*, *w*, *sp*, English, Ind. Indiana State Normal S.
Mendelsohn, Edith Helen, *a*, *w*, *sp*, Chicago. Wendell Phillips Hs.
Minnis, Louise Ellene, *w*, *sp*, Chicago. Chicago Normal S.
Moore, Grace Emerson, *a*, *w*, Chicago. Lewis Inst.
Moore, Mildred Regina, *a*, *w*, *sp*, Chicago. Chicago Teachers C.
Morrow, Eda, *a*, *w*, Waukegan. Lake Forest C.
Mueller, Florence Smibert, *a*, *w*, Chicago. Columbia S. of Expression.
Nelson, Nellie Christine, *a*, Chicago. Chicago Normal S.
Newell, Florence Marguerite, *a*, *w*, Congress Park. Chicago Teachers C.
Nicely, Ida May, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Nichols, Lillian B., *w*, *sp*, Chicago. Lewis Inst.
Nielsen, Christine Elizabeth, *a*, Chicago. Chicago Teachers C.
O'Brien, Frances Joyce, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Ockes, Florence Lydia, *a*, *w*, *sp*, Chicago. Chicago Normal S.
O'Connell, Agnes, *a*, Chicago. Chicago Normal S.
O'Donnell, Margaret, *a*, *w*, *sp*, Chicago. Chicago Normal S.
O'Donohue, Agnes Marie, *a*, *w*, Chicago. Chicago Normal S.
Oettershagen, Elizabeth Catherine, *a*, *w*, Chicago. Chicago Normal S.
Offenlock, Josephine, *a*, *w*, Chicago. Chicago Normal S.
O'Hearn, Daniel Frank, *a*, *w*, Chicago. Chicago Normal S.
Oistad, Mabel Marie, *a*, *w*, *sp*, Chicago. Chicago Teachers C.
Oldham, Ernestine Vivian, *sp*, Chicago. Chicago Normal S.
Olson, Mildred Irene, *w*, Chicago. Chicago Teachers C.
Oppenheim, Charles Julius, *w*, *sp*, Chicago. Lewis Inst.
Ostrowsky, Anna Israelson, *sp*, Chicago. Chicago Normal S.
Padden, Edward James, *a*, *w*, Chicago. U. of Illinois.
Page, Elsie May, *a*, *w*, *sp*, Chicago. U. of Colorado Summer S.
Painkinsky, Frances Raye, *sp*, Chicago. John Marshall Hs.
Papenbrook, Helen Verona, *a*, *w*, Chicago. Chicago Normal S.
Park, Katharine Sheppard, *a*, *w*, *sp*, Chicago. Northwestern U.
Peer, J. Marshall, *sp*, Eldorado. Southern Illinois State Normal S.
Peerstone, Cora Bennett, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Perry, Helen K., *a*, *w*, *sp*, Chicago. Chicago Normal S.
Peterson, Olive Marie, *a*, *w*, Chicago. Chicago Teachers C.
Petterson, Hilda, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Pickley, Trude Edrene, *a*, *sp*, Chicago. Chicago Normal S.
Ponedel, Dora, *a*, *w*, Chicago. Chicago Normal S.

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Pratt, Effie Louise, *a, w, sp*, Chicago. Valparaiso U.
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Puetz, Helena Agatha, *sp*, Chicago. St. James Hs.
Quinn, Nellie Marie, *w, sp*, Chicago. Chicago Teachers C.
Rada, Rudolph Charles, *a, w, sp*, Chicago. Armour Inst.
Reese, Bessie Therese, *sp*, Palos Park. Englewood Hs.
Reissenweber, Louise, *a, w*, Chicago. South Division Hs.
Renaud, Olive, *a, w, sp*, Chicago. Chicago Teachers C.
Retz, Myra Esther, *a, w*, Ottawa. U. of Southern California.
Rice, Besse Eugenia, *a, w, sp*, Fulton, Ky. Fulton, Ky., Hs.
Riggs, Ora Maud, *a, w, sp*, Harvey. Pontiac, Ill., Hs.
Riordan, Emmett Lawrence, *a, w, sp*, Commiskey, Ind. Indiana State Normal S.
Ritsma, Peter Benjamin, *a, w, sp*, Chicago. Joliet, Ill., Hs.
Roach, Ethel Anne, *sp*, Butte, Mont. U. of Montana.
Robinson, Ruth Winslow, *a, w*, Chicago. Chicago Normal S.
Rogers, Jessica Milroe, *a, w, sp*, Chicago. Chicago Normal S.
Rogers, Mary Margaret, *a, w*, Chicago. Chicago Teachers C.
Root, Sarah Jessie, *a, w, sp*, Chicago. Rochester Hs.
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Roth, Jacob Lee, *a, w*, Chicago. Chicago Normal S.
Rusterholtz, John Henry, *sp*, Chicago. Pennsylvania State Normal C.
Ryan, Adeline Patricia, *a, w, sp*, Chicago. Chicago Normal S.
Ryan, Cornelia Veronica, *a, w, sp*, Chicago. Chicago Normal S.
Ryan, Genevieve Sarah, *a, w, sp*, Chicago. Chicago Normal S.
Scanlan, Margeret Anna, *a, w*, Chicago. Hyde Park Hs.
Schladweiler, Mary Frances, *a, w, sp*, Chicago. West Division Hs.
Schmidt, Anetta, *a, w, sp*, Chicago. Chicago Teachers C.
Schmidt, Emma, *a, w*, Chicago. Chicago Normal S.
Schmidt, Marie, *sp*, Chicago. Hyde Park Hs.
Scholpp, Clara Emma, *a, w*, Chicago. Chicago Teachers C.
Scholz, Clara, *a, w, sp*, Chicago. Chicago Normal S.
Shaffer, Anna Clare, *a, w, sp*, Oakland. U. of Nebraska.
Shanewise, Anna Barbara, *a, w, sp*, Chicago. Iowa Teachers' C.
Shea, Agathe Louise, *a, w, sp*, Chicago. Tuley Hs.
Shea, Gertrude, *a, w*, Chicago. U. of Wisconsin.
Shea, Irene Mabel, *a, w, sp*, Chicago. Chicago Normal S.
Sheahan, Mary Elizabeth, *a, w*, Chicago. Lake View Hs.
Shepherd, Edith Elizabeth, *a, w*, Kalamazoo, Mich. Western State Normal S.
Simpson, Elsie Naomi, *sp*, Chicago. Chicago Teachers C.
Smiley, Mildred, *a, w*, Chicago. Chicago Normal S.
Smith, Eleanor Crellin, *a, w, sp*, Joliet. Chicago Normal S.
Smith, Lester Carl, *w, sp*, Marietta. Western Illinois State Normal S.
Sommers, Hobart Hibner, *a, w, sp*, Chicago. Chicago Normal S.
Soukup, Mary, *a, w, sp*, Chicago. Chicago Teachers C.
Spach, Marian Towne, *sp*, Chicago. University Hs.
Standley, Lyman Le Roy, *a, w, sp*, Plainville, Ind. Indiana State Normal S.
Steele, Martha Esther, *a, w, sp*, Iona, Mich. Olivet C.
Stone, Louise Kuniyunda, *a, w, sp*, Chicago. Peoria Hs.

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Stone, Wren, *sp*, West Line, Mo. U. of Kansas.
Stringer, Arthur Campbell, *w*, Battle Creek, Mich. U. of Michigan.
Struble, June Mildred, *a*, *w*, Fairmount, Ind. Chicago Normal S.
Sullivan, Ethel Marie, *a*, *w*, Chicago. Chicago Normal S.
Swartz, Daphne Iler, *sp*, Chicago. Chicago Normal S.
Sweets, Minnie May, *sp*, Elizabethtown, Ky. State U. of Kentucky.
Sylvester, Adeline, *sp*, Chicago. Chicago Normal S.
Sylvester, Grace Darling, *a*, *w*, *sp*, Chicago. Chicago Teachers C.
Tay, Pauline L., *sp*, Chicago. Chicago Normal S.
Tazelaar, Marguerite, *a*, *w*, *sp*, Grand Rapids, Mich. Grand Rapids Central Hs.
Theilgaard, May Petrea, *a*, *w*, *sp*, Chicago. Lake View Hs.
Thompson, Mary Elizabeth, *a*, *w*, Saginaw, Mich. Michigan State Normal C.
Thwaites, Helene Beatrice, *a*, *w*, *sp*, Berwyn, Ill. Michigan State Normal C.
Tibbits, Eleanor, *w*, Riverside. John Marshall Hs.
Tieken, Theodore, *a*, *w*, *sp*, Chicago. U. of Illinois.
Tillman, Hazel May, *a*, *w*, Huntington, Ind. Indiana State Normal S.
Torrey, Bessie Leak, *a*, *w*, Allegan, Mich. Michigan State Normal C.
Trout, Edgar William, *sp*, Chicago. Northwestern U.
Urbank, Sylvia Anna, *w*, *sp*, Chicago. Chicago Normal S.
Utzig, Anna Helena, *sp*, Chicago. Chicago Normal S.
Verhoeven, Philomena Rose, *a*, *w*, *sp*, Harvey. Chicago Normal S.
Vickers, Wallace Joseph, *w*, *sp*, Nephi, Utah. Utah Agricultural C.
Waggoner, Louise, *sp*, Chicago. Hyde Park Hs.
Walker, Ivae, *a*, *w*, Chicago. Chicago Teachers C.
Walsh, Elizabeth Frances, *a*, *w*, *sp*, Chicago. Chicago Teachers C.
Walsh, Evelyn Anna, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Walsh, Margaretta Helen, *a*, *w*, *sp*, Chicago. Froebel Kindergarten Training S.
Walter, Robert Henry Keamer, *sp*, Chicago. Lake Hs.
Warren, Sister Mary Pierre, *w*, *sp*, Chicago. Chicago Normal S.
Watson, Lee Merton, *w*, *sp*, Oak Park. Massachusetts Normal Art S.
Webb, Gertrude Macauley, *a*, *w*, *sp*, McGregor, Iowa. Thomas Normal Training S., Detroit.
Weber, Bessie Helen, *a*, *sp*, Chicago. Chicago Teachers C.
Weber, James A., *w*, Chicago. Chicago Teachers C.
Webster, Anna Lydia, *a*, Chicago. Chicago Normal S.
Weinland, Jennie Jeffrey, *a*, *w*, Chicago. Chicago Normal S.
Weis, Laure, *a*, *sp*, Tassy, Roumania. Private study.
Westberg, Emily Charlotte, *a*, *w*, *sp*, Chicago. North Division Hs.
Westman, Janet Eva, *w*, *sp*, Chicago. Chicago Normal S.
Westman, Wilmet Emily, *w*, *sp*, Chicago. Chicago Normal S.
Whigam, William Manny, *a*, *w*, Chicago. T. Wm. Penn Nixon S.
White, Ema Christiane, *a*, *w*, *sp*, Austin. Chicago Normal S.
Whyman, Clare Amelia, *a*, *w*, *sp*, Aurora. W. Aurora Hs.
Wiedemann, David, *sp*, Harvey. U. of Illinois.
Wilson, Cleopatra Marie, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Wincher, Nanon Manchester, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Winn, Victor Jay, *a*, *w*, *sp*, Chicago. U. of Illinois.
Wise, Anna Evelyn, *a*, *w*, Joliet. Illinois State Normal S.

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Wolf, Elsa, *a, w,* Chicago. Wendell Phillips Hs.
Wolfrum, Averry, *a, sp,* Chicago. Lane Technical Hs.
Wrench, Alice Reed, *w, sp,* Brunswick, Ga. Miss Gale's Em. Ga.
Wrench, Frances Rebman, *a, w, sp,* Chicago. State Normal S., Athens, Ga.
Wright, Lillian Huff, *a, w, sp,* Chicago. Randolph, Wis., Hs.
Zilligen, Mary, *a, w,* Hazel Crest. Northern Illinois State Normal S.
Zutz, Waldemar Paul, *sp,* Forest Park. American Conservatory of Music.

MEN—47 WOMEN—293 TOTAL—340

JUNIOR STUDENTS

Albright, Charles Dorwart, *a, w,* Chicago. Columbia U.
Alexander, Hedwig, *a, w, sp,* Chicago. Chicago Normal S.
Altpeter, Mabel Gerdena, *a, w, sp,* Chicago. Chicago Normal S.
Apfelbaum, Rosa Adelaide, *w, sp,* Chicago. Wendell Phillips Hs.
Appleyard, George Vincent, *a, w,* Glenview, Ill. U. of Virginia.
Armstrong, Helen, *a, w,* Charlevoix, Mich. Chicago Normal S.
Arnold, Eldon Hunter, *a, w, sp,* Chicago. Chicago Kent C. of Law.
Bagby, Robert Bartlett, *a, sp,* Chicago. Lewis Inst.
Baird, Catherine Lavinia, *w,* Chicago. Col. Inst., Galt, Ontario, Canada.
Baker, Ira Cloyd, *sp,* Chicago. Valparaiso Normal S.
Benzies, Esther Elizabeth, *sp,* Chicago. Chicago Normal S.
Best, Helen Muriel, *a, w, sp,* Chicago. Chicago Normal S.
Binna, Felicitas Josephine, *w, sp,* Chicago. Chicago Teachers C.
Blevins, Elizabeth Ely, *w, sp,* Chicago. U. of Pittsburgh.
Bloom, Louis, *a, w, sp,* Chicago. Tuley Hs.
Bostetter, Louise Caroline, *sp,* Sturgis, Mich. Sturgis Hs.
Boughton, Edith May, *w, sp,* Chicago. Chicago Free Kindergarten Association.
Brewster, Rowena Henrietta, *a, w,* Wheaton. Wheaton Hs.
Bross, Rosalie Wilhelmina, *a, w, sp,* Chicago. West Division Hs.
Brown, Lori, *a,* Chicago. Chicago Teachers C.
Brown, Minerva Donaldson, *a, w,* Joliet. Burlington, Iowa, Hs.
Bullen, Mary Staples, *w, sp,* Austin. Chicago Normal S.
Burdick, Mrs. Mary Nelia Higman, *a,* Chicago. Hyde Park Hs.
Butendorff, Lucy Caroline, *a, w, sp,* Oak Park. Chicago Normal S.
Byrne, Sister Mary Camillus, *a, w, sp,* Chicago. St. Xavier's A.
Cain, Mary Josephine, *sp,* Waukon, Iowa. St. Xavier's A.
Caldwell, Ray Thornton, *sp,* Bellevue, Ky. Lewis Inst.
Campbell, Ella Isabell, *a, w, sp,* Chicago. Englewood Hs.
Campbell, Iva Rachel, *a, w, sp,* El Paso. Chenoa, Ill., Hs.
Campbell, Margarette Boyd, *a, w, sp,* Elgin. Illinois State Normal S.
Carlson, Marion Emma, *a, w,* Chicago Heights. Chicago Normal S.
Carpenter, Agnes S., *a, w, sp,* Chicago. Oshkosh, Wis., State Normal S.
Carsley, Helen, *a, w, sp,* Chicago. Chicago Normal S.
Chapman, Grace Elizabeth, *a, w, sp,* Chicago. Cook County Normal S.
Clark, Nora A., *a, w, sp,* Chicago. Michigan State Normal C.
Clayton, Isabel Winslow, *a, w, sp,* Chicago. John Marshall Hs.

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Clute, Willard Nelson, *a, w, sp,* Joliet. Chautauqua work.
Coleman, Helen Louise, *w,* Chicago. Oberlin Kindergarten Training S.
Coleman, Jeanette Araline, *w, sp,* Chicago. Chicago Normal S.
Constantine, Elizabeth Blagoeva, *w,* Chicago. Chicago Normal S. of Physical Education.
Contarsy, Daniel David, *a, w,* Chicago. Crane Junior C.
Cook, Annie Elizabeth, *a, w, sp,* Milledgeville, Ga. Georgia State Normal S.
Cook, Florence Elizabeth, *sp,* Chicago. Lake View Hs.
Craig, Stella Frances, *a, w,* Chicago. Englewood Hs.
Cunningham, Theresa Marie, *a, w,* Chicago. Chicago Teachers C.
Dannehy, Mary Marcella (Dooley), *a, w, sp,* Chicago. Chicago Normal S.
Davis, Marjorie, *a, w,* River Forest. Oak Park Hs.
Dehner, Cecil, *a, w, sp,* Burlington, Iowa. Chicago School of Civics.
Delaney, Agnes Letitia, *w, sp,* Chicago. Chicago Normal S.
Doerle, Louise Augusta, *w, sp,* Chicago. Kansas State Normal S.
Donnelly, Theresa Jane, *a, w, sp,* Chicago. Horicon, Wis., Hs.
Drew, Elizabeth Louise, *a, w,* Chicago. South Division Hs.
Edwards, Jennie, *a, w, sp,* Glencoe. West Division Hs.
Ehlert, Mrs. Fay Singer, *w, sp,* Chicago. Columbia C. of Expression.
Einstein, David Garfield, *a, w, sp,* Chicago. U. of Michigan.
Elsner, Amelia, *a, w, sp,* Chicago. West Division Hs.
Ely, Mrs. Alice Ferguson, *w, sp,* Chicago. Mount Carroll Sm.
Enander, Ada, *a, w, sp,* Chicago. Art. Inst.
Engborg, Olga Ethel, *a,* Chicago. Chicago Normal S.
Fegen, Nicholas Augustine, *a, w, sp,* Chicago. Chicago Kent C. of Law.
Feldkirchner, Ethel, *a, w, sp,* Beatrice, Neb. Stout Inst.
Fischer, Bertha Rudelphine, *a, w, sp,* Chicago. Lewis Inst.
Fremont, Irma Myrtle, *a, w,* Chicago. Chicago Normal S.
Fricke, Emmeline, *a, w, sp,* Chicago. Columbia S. of Music.
Froehlich, Rosa Helen, *a, w, sp,* Chicago. Chicago Normal S.
Fuhring, Kathryn Helen, *w,* Chicago. Chicago Kindergarten Inst.
Gahagan, Margaret, *w,* Chicago. Lewis Inst.
Gracebaum, Ruth, *sp,* Chicago. Wendell Phillips Hs.
Graves, Leah, *sp,* Gary, Ind. Washington, Ind., Hs.
Greene, Josephine Dorothy, *w,* Chicago. Chicago Normal S.
Guertin, Lucille Hall, *sp,* Chicago. Lasell Sm.
Gullbransen, Anne Louise, *w, sp,* Ottawa. Ottawa Township Hs.
Guthrie, Mary Gertrude, *a, w,* Chicago. Chillicothe, Ohio, Hs.
Hancock, Belle, *a, w, sp,* LaGrange. Lewis Inst.
Hard, Ethel Adelaide, *a,* Superior, Wis. Superior State Normal S.
Hardt, Gertrude, *sp,* Chicago. Chicago Normal Extension.
Hartney, Mary E., *a, w,* Joliet. De Kalb State Normal S.
Harvey, Addie Adele, *a,* Chicago. South Division Hs.
Hecht, Raymond Jay, *a, w,* Chicago. Lake View Hs.
Hendricksen, Agnes Hope, *w, sp,* Chicago. Chicago Normal S.
Hennebry, Mary Genevieve, *a, w, sp,* Joliet. Joliet Training S.
Hennen, Mrs. Sarah McGill, *w,* Chicago. Illinois State Normal U.
Herrod, Mildred, *a, w,* Chicago. Calumet Hs.

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Heuermann, Minna S., *a, w,* Chicago. North Division Hs.
Hiles, Annabel, *a, w,* Indiana Harbor, Ind. East Chicago Hs.
Hilpert, Mrs. Laura Harriet, *sp,* Chicago. Armour Inst. (S.S.A.).
Houghteling, Jay Ritter, *a, w, sp,* Chicago. West Division Hs.
Humphrey, Arthur Gordon, *a, w, sp,* Palatine. U. of Illinois.
Kahle, Otto Fred, *a, w, sp,* Chicago. Harvard U.
Kelly, Anna Marie, *a, w,* Chicago. Chicago Normal S.
Kinnick, Marguerite Jean, *sp,* Chicago. Adel, Iowa, Hs.
Kull, Helene Estelle, *a, w, sp,* Lake Geneva, Wis. Normal S., Whitewater.
Larkin, Lillian Marie, *a, w,* Chicago. Chicago Normal S.
Leonard, Leila Grace, *w, sp,* Chicago. West Division Hs.
Logue, Leona Whitworth, *sp,* Chicago. New Mexico State Normal S.
Lonk, Augusta, Dorothea, *a, w,* Chicago. Chicago Teachers C.
Love, Stephen, *a, w,* Chicago. Northwestern U.
McAloon, Ann Mary, *a, w, sp,* Chicago. St. James Hs.
McCasky, Catharine Patterson, *w, sp,* Chicago. Lewis Inst.
McCorquordale, Lily Carlisle, *w, sp,* Chicago. Jefferson Hs.
McKinley, Cora Mary, *w, sp,* Chicago. Chicago Normal S.
Magnus, Solweig Bing, *a, w,* Chicago. S. in Copenhagen, Denmark.
Maher, Teresa Loretto, *a, w, sp,* Joliet. Joliet Township Hs.
Main, Helen Brown, *sp,* Chicago. South Division Hs.
Malloy, Dennis Michael, *a, w, sp,* Chicago. U. of Chicago.
Malone, Mary Irene, *a, w, sp,* Chicago. Toronto Normal S.
Mann, Edith Marguerite, *a, w,* Batavia. Northern Illinois State Normal S.
Mann, Malinda M., *a, w,* Evanston. Beardstown, Ill., Hs.
Mansfield, Barbara, *sp,* Mankato, Minn. Mankato State Normal S.
Manson, Jean, *a, w,* Chicago. Columbia S. of Expression.
Maremont, Rose, *a, w,* Chicago. Wendell Phillips Hs.
Marshall, Olive, *a,* Chicago. U. of Illinois.
Masterson, Helen Marie, *w,* Chicago. Wendell Phillips Hs.
Mathews, Lucy Pearl, *a, w,* Chicago. Chicago Normal S.
Matthews, Emma Christine Wilhelmina, *a, w,* Chicago. Chicago Normal S.
Meredith, Lucille, *a, w, sp,* Western Springs. South Division Hs.
Meyers, Mrs. Edna May R., *a, w,* Chicago. Chicago Normal S.
Miehlke, Elizabeth Martha, *w, sp,* Chicago. Chicago Normal S.
Miller, Max Burns, *w,* Polo. Polo Hs.
Mirrielees, Ruchiel Antoinette, *a, w,* Chicago. McCowen Oral S.
Mitchell, John Lewis, *a,* Chicago. Harvard (Prep.).
Monahan, Bessie Louise, *a, w, sp,* Chicago. Chicago Froebel Association.
Moore, Helen Hough, *a, w,* Chicago. Chicago Normal S. of Physical Education.
Moore, Lillian Elizabeth, *a,* Oak Park. Oak Park Hs.
Morgan, Warren F., *sp,* Chicago. Nicholas Senn Hs.
Morrisey, Vangie Rebecca, *w,* Chicago. Joliet Township Hs.
Morrison, Elizabeth Simpson, *a, w,* Chicago. Calumet Hs.
Mortellaro, Joseph, *sp,* Tampa, Fla. U. of Florida.
Muller, Marie Catherine, *a, w,* Arlington Heights. De Kalb State Normal S.
Murphy, Irene Veronica, *a, w, sp,* Chicago. Chicago Normal S.
Narmonts, Louise Phyllis, *w,* Chicago. Northwestern U.

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Nash, Jean Alice, *sp*, Tipton, Ind. Tipton Hs.
Needham, Bertha Beatrice, *a*, *w*, *sp*, Chicago. Missouri State U.
Nehls, Ella Frances, *a*, *w*, Arlington Heights. Northern Illinois State Normal S.
Northway, Anna McKibben Taylor, *a*, Evanston. Vassar C.
Oakes, Isaire Henry, *sp*, Elgin. Ferris Inst.
Ober, Anna Harriet, *a*, *sp*, Chicago. Lewis Inst.
O'Conor, John Redmon, *sp*, Chicago. Northwestern U.
Oliver, Kate Ann, *a*, *w*, Chicago. Davenport, Iowa, Hs.
Olson, Ruth Helen, *a*, *w*, Whitehall, Mich. Michigan State Normal C.
O'Sullivan, Teresa, *a*, *w*, Chicago. Chicago Teachers C.
Paddock, Lucile, *sp*, Arlington Heights. De Kalb State Normal S.
Palka, John George, *a*, *w*, Chicago. Chicago Normal S.
Payne, Mary Ethel, *a*, *w*, *sp*, Hinsdale. Hinsdale Hs.
Pearsons, Marie Evlyn, *a*, *w*, Oak Park. Teachers' Training S.
Plummer, Lucy Dupuy, *a*, *w*, *sp*, Chicago. Crawfordsville, Ind., Hs.
Power, Sister Marion Frances, *a*, *w*, Chicago. St. Xavier's A.
Price, Susan A., *a*, *w*, Chicago. National Kindergarten Inst.
Randall, Margaret Murray, *a*, *w*, *sp*, Chicago. Medill Hs.
Randall, Sadie Cecilia, *a*, *w*, *sp*, Chicago. University Hs.
Ransom, John Edward, *w*, *sp*, Ashtabula, Ohio. Oberlin C.
Reidy, May Frances, *a*, Chicago. Chicago Normal S.
Roberts, Irvin Levi, *w*, *sp*, Chicago. U. of Illinois.
Ross, Elinor Daggett, *a*, *w*, St. Johnsbury, Vt. Chicago S. of Applied and Normal Art.
Rounsevelle, Phillip, *w*, Denio, Ore. Thornton Township Hs.
Rowe, Louise Hitt Osborne, *a*, *w*, Jacksonville. Starrett S.
Sauer, Mary Julia, *a*, *w*, *sp*, Chicago. West Division Hs.
Schnadig, Edgar Louis, *a*, *w*, Chicago. Lane Technical Hs.
Schram, Charlotte Sarah, *a*, *w*, *sp*, Chicago. Chicago Kindergarten C.
Shank, Allen Lorenzo, *a*, Gravity, Iowa. Iowa State Teachers C.
Shepard, Margaret Mitchell, *a*, *w*, Chicago. South Division Hs.
Shepard, Rebecca Cushman, *a*, *w*, *sp*, Evanston. Berlin U.
Sinclair, Laura Fraser, *a*, *w*, *sp*, Chicago. West Division Hs.
Slaughter, Mary Gertrude, *a*, *w*, Chicago. Orthopedic Inst.
Smith, Isabel, *sp*, Chicago. Chicago Normal S.
Stahl, Frank Wimebert, *a*, *w*, Chicago. Ligonier, Ind., Normal S.
Steinmetz, Kathryn Elise, *sp*, Chicago. Chicago Normal S.
Stephenson, Dorothy Emelia, *a*, *w*, *sp*, Evanston. Tuley Hs.
Stine, Rose, *a*, *w*, Chicago. Chicago Normal S.
Stone, Georgia Edith, *w*, Chicago. Chicago Kindergarten Inst.
Street, Loretto Margaret, *sp*, Chicago. Chicago Normal S.
Strubbe, Mildred, *w*, Chicago. Chicago Kindergarten Inst.
Sulzer, Angeline Margaret, *a*, *w*, *sp*, Chicago. De Paul U.
Swepston, Willie Wise, *a*, *w*, Crawfordsville, Ark. Galloway C. Preparatory S.
Taylor, Annah Stopps, *a*, *w*, Chicago. Macon, Mo., Hs.
Taylor, Lilian, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Taylor, Walter Lane, *sp*, Chicago. Warrensburg, Mo., State Normal S.
Theilgaard, Ethel Jacobe, *w*, *sp*, Chicago. Lake View Hs.

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Thomas, Lucy Anna, *a, w*, Chicago. Chicago Normal S.
Thumser, Marie Josephine, *a, w*, Chicago. Chicago Training S.
Todd, Lowell Forest, *a, w*, Anderson, Ind. U. of Indiana.
Towner, Sister Mary Louise, *a*, Chicago. St. Xavier's A.
Triplett, Mary Jeanette, *sp*, Chicago. Wendell Phillips Hs.
Twichell, Clarence Watson, *w, sp*, Chicago. Lewis Inst.
Van Nise, Anna Blaker, *a, w*, Chicago. Englewood Hs.
Verhoeven, Catherine Philomena, *a, w*, Harvey. Chicago Normal S.
Warren, Mary Tresham, *a, w*, Lancaster, Wis. Whitewater, Wis., Normal S.
Watson, Mina Mae, *a, w*, Chicago. Illinois State Normal U.
Watts, Lois Reva, *a, w, sp*, Chicago. Northwestern U.
Webster, Marjorie Fraser, *a, w*, Chicago. Columbia C. of Expression.
Welsh, Alice Elizabeth, *sp*, Fort Wayne, Ind. St. Catherine's A.
Werst, Elizabeth Haughton, *a, w*, Chicago. West Division Hs.
Wheeler, Anna Eugenie, *a, w*, Chicago. Calumet Hs.
Williams, Flora Eleanor, *a, w*, Berwyn. John M. Smyth S.
Williams, Thomas Edgar, *a, w, sp*, East Chicago, Ind. Indiana State Normal S.
Windette, Lucile Mary, *a*, What Cheer, Iowa. Sioux City, Iowa, Hs.

MEN—36 WOMEN—159 TOTAL—195

UNCLASSIFIED STUDENTS

Abbott, Elva Louise, *w, sp*, Chicago. West Division Hs.
Abell, Harriet Marguerite, *sp*, Chicago. Chicago Normal S.
Adam, David Livingstone, *w, sp*, Chicago. Private study.
Albright, Ethel Isabelle, *a, w, sp*, Chicago. Illinois State Normal U.
Allen, Alabel, *w, sp*, Harvey. Hainesville Hs.
Allen, Carrie Ellen, *sp*, Chicago. North Missouri State Normal S.
Allen, Dorothy Langley, *sp*, Des Plaines. Chicago Normal S.
Almblad, Elin Christine, *sp*, Chicago. Chicago Teachers C.
Ambrose, Catherine Frances, *sp*, Chicago. Chicago Teachers C.
Anderson, Annie Josephine, *a, w*, Chicago. North Division Hs.
Anderson, Joshua Nathaniel, *sp*, Chicago. Private study.
Anderson, Oscar Allen, *a*, Chicago. Armour Inst.
Andrews, Edith Hannah, *a, w*, Oak Park. De Kalb State Normal S.
Andrews, Howard Milo, *sp*, Chicago. U. of Illinois.
Anning, Ruth, *a, w*, Evanston. Chicago Froebel Association.
Armel, William Neff, *w, sp*, Schurz Hs.
Armstrong, Elsie Louise, *a, w, sp*, Oak Park. Denver U.
Armstrong, Sadie Loretta, *sp*, Chicago. Chicago Normal S.
Arnold, Annie Eliza, *a, w*, Chicago. Chicago Normal S.
Arnold, Marian Ethel, *sp*, Evanston. Michigan State Normal C.
Aronson, Marie, *sp*, Chicago. West Division Hs.
Arseneau, Stanislaus, *a, w, sp*, Beaverville. Illinois State Normal U.
Atwater, Jane S., *a, w, sp*, Chicago. Chicago Normal S.
Austin, Edna Harris, *a, w, sp*, Oak Park. Spokane Hs.
Babbitt, Cornelia Jules, *a, w, sp*, Urbana. Private study.

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Babcock, E. June, *sp*, Chicago. Chicago Normal S.
Babcock, Margaret Frances, *a, w, sp*, Chicago. Bowen Hs.
Bailey, Emma Virginia, *a, w*, Chicago. Milwaukee Normal S.
Baldwin, Elode Maryette, *w, sp*, Palatine. Palatine Hs.
Baldwin, Frances Ethel, *a, w*, Chicago. Chicago Teachers C.
Baldwin, Verna Ione, *a, w*, Cicero. De Kalb State Normal S.
Ball, Clara, *a, w*, Chicago. Chicago Teachers C.
Ball, Lily Lucas, *a, w*, Chicago. North Division Hs.
Banks, Rachel Almira, *w, sp*, Chicago. De Kalb State Normal S.
Banks, Sadie Evangeline, *w, sp*, Chicago. Chicago Normal S.
Barkoske, Edward Julian, *a, w, sp*, Chicago. Wendell Phillips Hs.
Barnard, Alice, *w, sp*, Chicago. North Division Hs.
Barrett, Ella Veronica, *sp*, Chicago. Lewis Inst.
Bassett, Donald Munro, *sp*, Chicago. Chicago Normal S.
Bauersfeld, Albert George, *a, w*, Chicago. English High and Manual Training Hs.
Baughman, Ethel, *a, w*, Aurora. Delphi, Ind., Hs.
Baylor, Clarence Elton, *a, w, sp*, Zion City. U. of Wisconsin.
Bean, Florence Octavia, *a, w*, Chicago. Illinois State Normal S.
Bechtel, Christine McCowan, *a, w*, Chicago. Joliet, Ill., Hs.
Becker, Marie Anna, *a*, Chicago. Lake View Hs.
Beeler, Grace Heuer, *w, sp*, Chicago. Bloomington, Ill., Hs.
Behl, Elizabeth, *w, sp*, Chicago. Art Inst.
Beifeld, Mrs. Ernest T., *a*, Chicago. Loring S.
Bell, Bruce Burton, *w*, East Chicago, Ind. Indiana U.
Benjamin, Ittie, *w, sp*, Chicago. Chicago Normal S.
Benner, Adolph Louis, *a, w, sp*, Chicago. Chicago Athenaeum.
Bennett, Frank, *a, w, sp*, Chicago. Schools of Ireland.
Benson, Lucy Amanda, *a, w*, Chicago. Northern Illinois Normal S.
Bergener, Clara Julia, *a, w*, Chicago. Chicago Teachers C.
Bernstein, Nathan M., *a*, Chicago. McKinley Hs.
Bernstein, Rosaline Frank, *a, w*, Chicago. National Kindergarten C.
Bernstein, Sarah, *w*, Chicago. Private study.
Berry, Sarah Jane, *w, sp*, Evanston. Evanston Hs.
Biggs, Mary Emma, *a, w, sp*, Chicago. Illinois State Normal S.
Bilhorn, Xenia Marguerite, *a*, Chicago. Chicago Normal S.
Birch, Helen Louise, *a*, Chicago. Private instruction.
Bishop, Martha Violet, *a, w*, Chicago. West Division Hs.
Bixby, Edna Ruth, *a, w, sp*, Chicago. Michigan State Normal C.
Blackford, Pearl Louise, *a, w*, Chicago. Chicago Normal S.
Blanc, Agnes Victoire, *w, sp*, Chicago. A. of the Sacred Heart.
Blanchard, Emma Van Alstyne, *a, w*, Hubbard Woods. Private study.
Bland, Frances Edith, *a, w*, Chicago. Chicago Normal S.
Blum, Mary, *w, sp*, Chicago. Cultural Review S.
Bobinsky, Rose, *a, w*, Chicago. Garfield S.
Boermel, Lora H., *a*, Blue Island. Chicago Teachers C.
Boerner, Clara, *sp*, Chicago. Chicago Normal S.
Boggs, Judge, *a, w, sp*, East Chicago, Ind. Indiana U.
Bolotin, Hyman, *a, w*, Chicago. Valparaiso U.

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Bottum, Alice Macomber, *a*, Chicago. Lake View Hs.
Bowen, Elsie, *w*, *sp*, Chicago. De Kalb State Normal S.
Bowen, Mary DeLong, *a*, Chicago. Chicago Kindergarten Inst.
Bowie, Elizabeth Anderson, *a*, *w*, *sp*, Chicago. Illinois State Normal U.
Bowie, Penelope Galt, *a*, *w*, *sp*, Chicago. Illinois State Normal U.
Bowman, Leona Florence, *a*, *w*, *sp*, Lake Bluff, Ill. U. of Illinois.
Boyer, Florence Meek, *a*, *w*, Chicago. St. Mary's A., Prairie du Chien.
Boyle, Edna B., *w*, *sp*, Chicago. Hutchinson, Kan., Hs.
Brady, Mary Shaw, *a*, *w*, Chicago. Valparaiso U.
Bremner, William Carnegie, *a*, *w*, *sp*, Chicago. Madons C., Scotland.
Brennan, Katherine L., *a*, *w*, Chicago. Chicago Normal S.
Brown, George Frederic, *a*, *w*, Chicago. Armour Inst.
Brown, Helen Robson, *a*, *w*, Chicago. Parker Hs.
Brown, Ida Matilda, *a*, *w*, Chicago. Lodi, Wis., Hs.
Brown, Jemima Olivette, *w*, *sp*, Chicago. Chicago Normal S.
Bruse, Edna Lovina, *a*, West Chicago. De Kalb State Normal S.
Buck, Ralph Ogden, *a*, *w*, Chicago. Armour Inst.
Buell, Jennie Florence, *a*, *w*, Chicago. Englewood Hs.
Bullen, Henry Staples, *s*, Chicago. Maine Central Inst.
Bullock, Harry Russell, *a*, *w*, Chicago. Englewood Hs.
Burda, Anna Florence, *sp*, Chicago. Chicago Normal S.
Burke, Catherine Aloysius, *w*, Chicago. Lewis Inst.
Burke, Isabel Josephine, *a*, *w*, Chicago. Northern Indiana Normal S.
Burke, Lucy, *a*, *w*, Waukegan. St. Alberta's A., Waukegan.
Burns, Grace Ethel, *a*, *w*, *sp*, Chicago. Muskegon, Mich., Hs.
Burr, Olive, *sp*, Chicago. Chicago Kindergarten C.
Burton, Elizabeth, *a*, *w*, Chicago. Austin Hs.
Bush, Florence Kyle, *a*, *w*, Chicago. Dearborn Sm.
Byler, Orville Truman, *w*, Chicago. Springfield, Mo., Hs.
Byrne, Margaret Cecelia, *a*, *w*, *sp*, Chicago. St. James Hs.
Byrne, Mary Margaret, *w*, *sp*, Chicago. Chicago Normal S.
Byrne, Mathilda, *a*, *w*, Chicago. Sacred Heart Convent.
Cairns, Mary Catharine, *w*, *sp*, Chicago. Cleveland Hs.
Calkins, Margaret, *sp*, Chicago. Chicago Normal S.
Campbell, Christina, *a*, *w*, *sp*, Chicago. John Marshall Hs.
Campbell, Sara, *a*, *w*, Chicago. Chicago Normal S.
Carlson, Caroline, *a*, *w*, Chicago. Chicago Normal S.
Carlson, Olga Vivian, *w*, *sp*, Chicago. Thornton Township S.
Carnes, Laura, *a*, *w*, Chicago. Charleston Hs.
Carroll, Mary, *w*, *sp*, Chicago. Lewis Inst.
Carver, Julia Theodota, *w*, *sp*, Chicago. Valparaiso U.
Casey, Thomas Joseph, *a*, Chicago. St. Stanislaus C., St. Louis, Mo.
Cassidy, Frances Mary, *a*, *w*, *sp*, Michigan City, Ind. U. of Wisconsin.
Castle, Eleanore Marea, *w*, *sp*, Chicago. Korsehan Unity U.
Cavanaugh, Agnes Brewster, *a*, *w*, Chicago. Benton Harbor, Mich., C.
Caward, Gertrude, *a*, *w*, Chicago. Iowa State Normal S.
Chapman, Harold Everett, *w*, Evanston. Earlham C.
Chen, Ding Bing, *sp*, Chicago. Soochow, China, U.

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Chinlund, Mildred Augusta, *a*, *w*, Chicago. Chicago Teachers C.
Christie, Mildred Rae, *a*, *w*, Chicago. Chicago Normal S.
Cimral, Frank Joseph, *w*, Joliet. John Marshall Law S.
Clancy, Katherine, *a*, *w*, Bloomington. Private study.
Clark, Edward Leonidas, *a*, *w*, Chicago. Moores Hill C.
Clarke, Catherine Hayes, *a*, *w*, Chicago. Chicago Normal S.
Clarke, Margaret, *w*, *sp*, Chicago. Private study.
Cleverdon, Kate, *a*, *w*, *sp*, Chicago. Oberlin C.
Clinton, Etta, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Cohen, Isadore, *a*, *w*, Chicago. U. of Michigan.
Coleman, Mary Rose, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Collins, Anna Elizabeth, *sp*, Chicago. St. James Hs.
Collins, Nellie Coletta, *w*, *sp*, Chicago. E. Waterloo, Iowa, Hs.
Collins, Thomas Daniel, *w*, Chicago. U. of Notre Dame.
Comstock, Ethel, *sp*, Chicago. Private study.
Conlan, Jettie, *sp*, Chicago. Sioux City, Iowa, Normal Training S.
Connell, Amelia Jane, *sp*, Chicago. Wells Street Hs.
Connell, Vivian Adams, *sp*, Chicago. Chicago Normal S.
Connolly, Alice Frances, *a*, *w*, Chicago. McKinley Hs.
Connolly, Elizabeth Mary, *w*, Chicago. Chicago Normal S.
Connor, Catherine Theresa, *sp*, Chicago. St. Patrick's A.
Convey, Sister Mary Callista, *a*, *w*, Chicago. St. Joseph's Sm.
Cooney, Anna Marian, *sp*, Chicago. St. Mary's A., Notre Dame, Ind.
Cooper, Olive Elizabeth, *a*, *w*, Chicago. Northern Indiana Normal S.
Cord, Oliver Northcott, *sp*, Chicago. Chicago Normal S.
Cornish, Lilian Alice, *w*, Chicago. Chicago Kindergarten Inst.
Cosgrove, Jennie, *a*, *w*, Seneca. Chicago Normal S.
Costello, Gilbert Francis, *w*, Chicago. Armour Inst.
Cottrell, Thomas, *a*, *w*, *sp*, Chicago. Illinois Medical S.
Coulehan, Mary Theresa, *sp*, Chicago. De Kalb State Normal S.
Coulter, Anna Zua, *a*, *w*, Livonia, Ind. Salem Hs.
Cowley, Rose Semmler, *w*, *sp*, Chicago. West Division Hs.
Coyte, Lucy Corenna, *a*, *w*, *sp*, Chicago. Dearborn Sm.
Craig, Margaret Louise, *a*, Chicago. Chicago Kindergarten Inst.
Craig, Marian Hamilton, *a*, *w*, *sp*, Highland Park. De Kalb State Normal S.
Cramp, Lillian Caroline, *a*, *w*, Chicago. Maryville, Mo., Sm.
Creedon, Clara Wright, *a*, *w*, Chicago. West Division Hs.
Croarkin, Sister Mary Placida, *a*, *w*, Chicago. Chicago Normal S.
Culp, Gertrude Ethel, *a*, *w*, Constantine, Mich. Michigan State Normal C.
Cunningham, Belle, *a*, *w*, *sp*, Chicago. Hyde Park Hs.
Cushing, Irene Mary, *a*, *w*, *sp*, Hinsdale. Northern Illinois State Normal S.
Danaher, Thomas E., *sp*, Chicago. Chicago Normal S.
Daniels, Mary Emma, *a*, *w*, Jacksonville. National Kindergarten C.
Dansey, James William, *a*, *w*, *sp*, Huntertown, Pa. Topeka Hs.
Daskey, Ronald Walter, *w*, *sp*, Chicago. Bowen Hs.
Davies, Alice Maria, *a*, *w*, Chicago. Chicago Normal S.
Davis, Archie Ray, *a*, *w*, Lapeer, Mich. Ferris Inst.
Day, Alice, *a*, *w*, Mount Carmel, Ill. National Normal U.

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Deavitt, Mrs. Grace Huyette, *a, w,* Detroit, Mich. Hyde Park Hs.
Dedic, Joseph Fred, *a, w,* Chicago. Private study.
DeGraff, Adriana, *a, w, sp,* Harvey. Thornton Township Hs.
Delaney, Mary Loretto, *w,* Chicago. St. Mary's A.
Denning, Bertha Elizabeth, *a, w,* Normal. U. of Illinois.
Dennis, Clay, *a, w,* Butte, Mont. Anaconda Hs.
DeVries, Harmen Fize, *a,* Chicago. Private study.
Diamantes, George N., *a, w,* Evanston. Hoffman Preparatory S.
Diersen, Walter John, *a, w,* Chicago. American Conservatory.
Dietel, Elsa Margaret, *a, w, sp,* Chicago. Northwestern U.
Dietmeyer, Mary Ethel, *w, sp,* Wadsworth. Northern Illinois State Normal S.
Dignum, Gertrude Agnes, *a, w,* Chicago. Stevens Point Normal S.
Dignum, Jennie Margaret, *a, w, sp,* Chicago. Stevens Point Normal S.
Dignum, Katharine Isabelle, *a, w, sp,* Chicago. Lewis Inst.
Dillon, Bessie Octavia, *a, w,* Chicago Northwestern U.
Dixon, Margaret H., *a,* Oak Park. Albion C.
Dorsett, Belle Franc, *a, w,* Waukegan. Waukegan Hs.
Doty, Cassius Morton, *a, w,* Danville. De Paul U.
Doty, Mary Catharine, *a, w,* Oak Park. Muskegon, Mich., Hs.
Douglass, Josephine, *sp,* Chicago. Chicago Teachers C.
Dovenmuehle, Edna Anna, *sp,* Chicago. Smith C.
Dow, Scott J., *w,* Hinsdale. Private study.
Doyle, Mary Claire, *sp,* Chicago. Chicago Normal S.
Duggan, John Matthew, *a, w, sp,* Chicago. Lake Hs.
Dunne, Isabel Mary, *a,* Chicago. Chicago Normal S.
Dunning, Ruth Knight, *a, w, sp,* Chicago. Lewis Inst.
Dunsay, Albert, *a, w,* Chicago. John Marshall Hs.
Dunseath, Emma Dodds, *w,* Chicago. Lewis Inst.
Dwyer, Helen Gertrude, *sp,* Spokane, Wash. Oberlin C.
Dwyer, Kate, *w, sp,* Winnetka. Winnetka Hs.
Ebert, Luella Louise, *sp,* Chicago. Chicago Normal S.
Eckhoff, Cora, *a, w, sp,* Chicago. Chicago Normal S.
Eddy, Eunice Naomi, *a, w,* Chicago. Davenport, Iowa, Hs.
Edman, John Milton, *a, w,* Maywood. Valparaiso U.
Edsberg, Hilmar Anker, *a, w,* Chicago. Private study.
Edtbauer, Rose, *a, w,* Chicago. Carl Schurz Hs.
Effting, Gertrude Francis, *a, w,* Chicago. U. of Illinois.
Effting, Hildegarde, *sp,* Chicago. Illinois State Normal S.
Ellenbarger, Hervin Russell, *a, w, sp,* Chicago. McPherson C.
Ellis, Mabel Florence, *sp,* Chicago. Chicago Kindergarten C.
Elofson, Carl Lenus, *w,* Chicago. Private instruction.
Elsnau, Myrtle Nettie, *a, w,* Rothbury, Mich. U. of Michigan.
Elson, Abraham Richard, *s,* Chicago. Joseph Medill Hs.
Ely, Anna, *a, w,* Oak Park. Art Inst.
Engel, Henrietta Amelia, *a, w,* Chicago. Lake View Hs.
Engels, Kathleen Mary, *w, sp,* Chicago. St. Xavier's A.
English, Lloyd Hayden, *w, sp,* Chicago. U. of Illinois.
Eppstein, Jessie, *a, w, sp,* Fairbury. Fairbury Hs.

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Ermeling, Willard Walter, *a*, *w*, Wheaton. U. of Illinois.
Evans, Sarah McCulloch, *a*, *w*, Chicago. West Division Hs.
Everson, Emily Geppert, *a*, *w*, Chicago. Lewis Inst.
Ewen, Charles A., *a*, *w*, Chicago. Northwestern U.
Fairbank, Janet Ayer, *a*, *w*, Chicago. The Misses Ely's S.
Farnam, Lillian, *a*, *w*, *sp*, Chicago. Joliet Hs.
Farrell, May Louise, *a*, *w*, Clinton, Iowa. Clinton Hs.
Fast, Robert Kuhn, *sp*, Chicago. Northwestern U.
Feigh, Nettie Moore, *sp*, Chicago. Chicago Teachers C.
Feilchenfeld, Doris, *a*, *w*, Chicago. Corry, Pa., Hs.
Fenn, George Henry, *a*, Chicago. City of London C.
Fennell, Minnie, *w*, *sp*, Chicago. Iowa State Normal S.
Fildes, Frances, *a*, *w*, Chicago. Marinette, Wis., Hs.
Finch, Harriet Knapp, *a*, *w*, Chicago. Lewis Inst.
Finkelstein, Mathilde, *a*, *w*, *sp*, Chicago. S. of Civics and Philanthropy.
Fish, Julia Van Cleave, *w*, *sp*, Chicago. Maryville, Mo., Hs.
Fisher, Clara, *a*, *w*, *sp*, Chicago. New York State U.
Fisher, Jessie Ethel, *a*, *w*, Joliet. Joliet Normal S.
FitsGerald, Katharine Ann, *a*, *w*, Chicago. Oconomowoc, Wis., Hs.
Foehringer, William Frederick, *a*, Chicago. De Paul U.
Foerter, Emma, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Ford, Alice Mears, *a*, *w*, Chicago. Lake View Hs.
Ford, Josephine Caroline, *a*, *w*, Chicago. Delavan, Ill., Hs.
Foreman, Anna, *a*, *w*, Chicago. Northern Illinois State Normal S.
Foster, Charlotte Brown, *a*, *w*, *sp*, Chicago. Berlitz S.
Foster, Gertrude Elizabeth, *w*, *sp*, Harvey. Eastern Illinois State Normal S.
Fowler, Evelyn Marie, *w*, *sp*, Chicago. A. of Our Lady.
Fox, Florence, *w*, *sp*, Chicago. Chicago Normal S.
Fox, Morris Jefferson, *w*, *sp*, Chicago. Lincoln, Neb., Hs.
Francis, Alice Maude, *a*, *w*, New Lenox. Chicago Training S.
Fraser, Annie Cunningham, *a*, Chicago. North Division Hs.
Frawley, Agnes Cecilia, *a*, Chicago. Chicago Normal S.
Freeman, Margaret Lowe, *a*, *w*, *sp*, Evanston. Logansport Hs.
Fritsch, Edwin Albert, *a*, *w*, Chicago. Armour Inst.
Fromen, Agnes Valborg, *a*, *w*, *sp*, Chicago. Art. Inst.
Fry, Percy Earl, *a*, Gowanstown, Ontario, Canada. Calgary Normal S.
Frykholm, Ellen Viola, *a*, *w*, *sp*, Chicago. U. of Illinois.
Furlong, Mary Ellen, *w*, Chicago. St. Xavier's A.
Furter, Addie Frank, *a*, Chicago. West Division Hs.
Furzer, George, *a*, *w*, *sp*, Chicago. Private study.
Furzer, Mabel Ray Sampson, *w*, Chicago. West Division Hs.
Futransky, Samuel Robert, *a*, Chicago. Robert Waller Hs.
Gagan, Anna Agatha, *a*, Chicago. Janesville Hs.
Gahl, Jennie Mary, *a*, *w*, Chicago. Woodward Hs., Cincinnati, Ohio.
Gaines, Cassandra Harriet, *a*, *w*, Palatine. Northern Illinois State Normal S.
Gallagher, Catherine, *a*, *w*, *sp*, Chicago. Loyola U.
Galvin, Nellie, *a*, *w*, Pierceton, Ind. Winona C.
Gana, Mariano Delfino, *a*, *w*, Chicago. Northwestern U.

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Gardner, Katharine Willis, *a, w,* Chicago. Lincoln, Ill., Hs.
Gaylord, Blossom, *sp,* Chicago. Chicago Normal S.
Gehlman, John Alexander, *sp,* Springfield. Springfield Hs.
Geiler, Dorothy, *sp,* Chicago. Chicago Normal S.
George, Eleanor, *w, sp,* Harvey. U. of Kansas.
George, Mary Adah, *a,* Chicago. West Division Hs.
Georges, Mary Kessell, *w, sp,* Chicago. West Division Hs.
Gerhardt, Jessie Myra, *a, w,* Brookfield. Private study.
Gerrity, Angela Marie, *a, w,* Chicago. Lake View Hs.
Gerty, Eileen Agnes, *a, w,* Chicago. Chicago Normal S.
Giffen, Eva Jane, *w,* Rockford. Rockford Hs.
Gifford, John, *w, sp,* Chicago. Tipton, Ind., Hs.
Gillette, Clifford John, *a, w,* Kalamazoo, Mich. Western State Normal C.
Gillis, Harriet Xavier, *a, w, sp,* Chicago. Baraboo, Wis., Hs.
Glasheen, Gretta, *a, w,* Delavan. Delavan Hs.
Glasheen, Nellie Frances, *a, w, sp,* Delavan. Dixon Northern Normal S.
Glasko, Augusta Dombrowski, *a, w,* Chicago. C. de Marseille.
Goddard, Ethel Elizabeth, *a, w, sp,* Evanston. Lexington Hs.
Goldman, Jennie, *a, w,* Chicago. Northwestern U.
Gorman, Margaret Susan, *a, w,* Chicago. St. Agnes Hs.
Graham, Isabelle Gladys, *a, w,* Douglas, Mich. Michigan State Normal C.
Graham, Sarah, *a, w,* Chicago. Lewis Inst.
Grape, Nellie Washington, *a, w,* Chicago. Chicago Normal S.
Graves, Frances, *a, w,* Summit. Lyons Township Hs.
Gray, Edna Blackburn, *a,* Blue Mound. Northern Illinois State Normal S.
Greenebaum, Adah Stern, *w,* Fargo, N.D. Smith C.
Griffith, Julia Sulzer, *a, w, sp,* Chicago. De Paul U.
Griffiths, Irene May, *a,* Chicago. Illinois State Normal U.
Grodsky, Morris, *a, w,* Chicago. Armour Inst.
Gross, Frederick Hans-Karl, *w, sp,* Chicago. Realgymnasium, Germany.
Grover, Chester Alden, *a, w, sp,* Evanston. Northwestern U.
Gunnarson, Edith Magnhild, *sp,* Chicago. Chicago Normal S.
Hagen, Inga Margrethe, *sp,* Chicago. Chicago Normal S.
Hahlbohm, Herman, *w,* Chicago. Private study.
Haines, Temperance Baldwin, *a, w,* Chicago. Northern Illinois State Normal S.
Hall, Myra Louise, *a, sp,* Chicago. Chicago Normal S.
Halpin, Ida Mary Soelke, *w, sp,* Chicago. Milwaukee, Wis., Teachers' C.
Hampton, Eleanor, *sp,* Chicago. Illinois State Normal S.
Hancke, Margaret Thora, *sp,* Chicago. Chicago Normal S.
Hancock, Arthur Stanley, *sp,* LaGrange. Wesleyan C., Conn.
Hansen, Herbert Conrad, *w, sp,* Chicago. Northwestern U.
Hansen, Mabel Julia, *a, w,* Chicago. Chicago Teachers C.
Hanson, Emma Carolyn, *a, w, sp,* Creston, Iowa. Western Normal S.
Hanson, Esther, *a, w,* Oak Park. Oshkosh, Wis., State Normal S.
Harkins, John Leo, *sp,* Chicago. Loyola U.
Harpole, Elizabeth, *a, sp,* Chicago. Chicago Normal S.
Harris, Otto, *a, w, sp,* Stonefort. Valparaiso U.
Hart, Dean Ethaniel, *w, sp,* Chicago. Howard A.

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Hartman, Regina Esther, *a, w,* Chicago. Chicago Normal S.
Harvey, Bertena Blanche, *a, w,* Chicago. Joliet Hs.
Harvey, Louise Nanchon, *a,* Chicago. Joliet Hs.
Hauk, Arsina Gillman, *a,* Kenton, Okla. Art Inst.
Hawkins, Wilson Albert, *a,* Aspinwall, Pa. Private study.
Hayes, Blanche Olive, *a, w,* Chicago. Chicago Teachers C.
Hayes, Leonora Blanche, *a, w,* Chicago. Northern Illinois State Normal S.
Hayton, Marie F., *w, sp,* Chicago. Tuley Hs.
Hayward, Lena Grace, *w, sp,* Beloit, Wis. Mount Holyoke C.
Healy, Florence, *a, w,* Chicago. Private study.
Hemingway, Grace, *a, w, sp,* Oak Park. Oberlin C.
Hempenius, Nellie Aggen, *a, w, sp,* Chicago. West Division Hs.
Hendricks, Christine, *a, w,* Chicago. Private study.
Henricks, Charles Edward, *w, sp,* Chicago. St. Ignatius A.
Henry, Benjamin Rogers, *a, w,* Chicago. Lewis Inst.
Henry, Kathleen, *sp,* Chicago. Chicago Normal S.
Herbst, Marion, *sp,* Chicago. Chicago Normal S.
Heron, Mae Elizabeth, *a,* Evansville, Wis. Whitewater State Normal S.
Hess, Esther Eloise, *a, w,* Norfolk, Ohio. Michigan State Normal S.
Heyn, William Peter, *w,* Chicago. Armour Inst.
Hibler, John Henry, *a, w,* Chicago. Armour Inst.
Hibler, Margaret Jane, *w,* Chicago. Chicago Teachers C.
Hicks, Elvis Lemuel, *a, w, sp,* Chicago. Coffeen Normal S.
Higgins, Mary Agnes, *sp,* Chicago. Gilman Hs.
Hill, Gertrude, *a, sp,* Chicago. Chicago Teachers C.
Hiller, Jacob Albert, *sp,* Chicago. Illinois State Normal S.
Hirsch, Louise Nicholls, *sp,* Chicago. Wendell Phillips Hs.
Hoerich, Ernest Augustus, *a,* Chicago. Northwestern U.
Hoffman, Elizabeth Holmes, *a, w,* LaGrange. LaGrange Hs.
Hogan, Frances Mary, *a, w,* Chicago. St. James Hs.
Hogan, Kathleen Elizabeth, *w, sp,* Chicago. West Division Hs.
Hogan, Mary Elizabeth, *a, w, sp,* Chicago. Chicago Teachers C.
Hohenberg, Marguerite, *w, sp,* Chicago. Hyde Park Hs.
Hollister, Essie Blanche, *a, w,* Chicago. Albion C.
Holmes, Evalena Hamilton, *sp,* Chicago. Waukegan Hs.
Holtsberg, Ella Eugenia, *sp,* Chicago. Chicago Normal S.
Hopkins, Avalee Sophia, *a,* Chicago. Chicago Normal S.
Horn, Diana von, *w, sp,* Chicago. West Division Hs.
Horning, Rae Leah, *sp,* Chicago. Quincy, Mich., Hs.
Hoss, Edith Elizabeth, *a, w, sp,* Chicago. Private study.
Hosty, Margaret Mary, *a, w,* Chicago. U. of Wisconsin.
House, Clara Keller, *a,* Chicago. Englewood Hs.
How, Eleanor, *w,* Homewood. Thornton Township Hs.
Hoyle, Viola May, *a, w,* Racine, Wis. Racine Hs.
Hubbard, Walter Scott, *w, sp,* Chicago. North Hs.
Hummel, Charles Edward, *a, w, sp,* Chicago. U. of Minnesota.
Hunter, Egbert, *sp,* Kansas City, Mo. State Normal S., Pittsburg, Kan.
Hunter, William, *a, w, sp,* Chicago. John Marshall Law S.

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Hurd, Freeman Shaw, *a*, *w*, Oak Park. Private study.
Hurlbut, Carl Oliver, *w*, Chicago. Lake View Hs.
Hutchinson, Everett Ross, *a*, *w*, *sp*, Chicago. State U. of Iowa.
Hutchinson, Josephine Thompson, *a*, *w*, Chicago. Private study.
Hutter, Clemens Andrew, *a*, *w*, *sp*, Chicago. Spring Green, Wis., Hs.
Hyman, Irene Kay, *a*, *w*, *sp*, Chicago. Bradford, Mass., A.
Hynds, Ella Angela, *a*, Morris. Morris Hs.
Jacobs, Louise Marie, *w*, *sp*, Chicago. Chicago Normal S.
Jaeger, Mathilde, *a*, *w*, *sp*, Chicago. De Paul U.
Jager, Gunnell Johanna, *a*, Chicago. Chicago Normal S.
James, Margarette George, *a*, Chicago. Chicago Normal S.
Jennings, Julia Annette, *a*, *w*, Chicago. Austin Hs.
Jewell, Ada, *a*, Chicago. Grand Prairie Sm.
Johansen, Oscar, *a*, Chicago. Chicago Normal S.
Johnson, Abbie, *w*, Glen Ellyn. Private study.
Johnson, Anna Mary, *a*, *w*, Chicago. Chicago Normal S.
Johnson, Anna Mary, *w*, *sp*, Lake Forest. Ferry Hall.
Johnson, Elizabeth Marie, *sp*, Chicago. Carl Schurz Hs.
Johnson, Tillie Wilhelmina, *a*, Chicago. Chicago Normal S.
Johnson, William Adam, *w*, *sp*, Chicago. Private study.
Johnston, Lettie Love, *w*, Pittsburgh, Pa. U. of Illinois.
Jones, Claudia Miriam, *a*, *w*, Chicago. Chicago Hs.
Jones, Norah Agnes, *a*, *w*, *sp*, Chicago. Lewis Inst.
Jones, Stella May, *w*, *sp*, Oak Park. Terre Haute Hs.
Jones, Winifred Elizabeth, *a*, *w*, Chicago. Lewis Inst.
Jordan, Violette Rhea, *a*, Chicago. Duluth Central Hs.
Juchhoff, Edna Zinn, *a*, Chicago. Philo, Ill., Hs.
Karch, Carolyn Louise, *a*, *w*, Blue Island. Blue Island Hs.
Karth, Ernest Gottlieb, *a*, Chicago. Crane Hs.
Kearney, Lillian Margaret, *a*, *w*, Chicago. Chicago Normal S.
Kellogg, Matilda Maud, *a*, *w*, Lockport. Cook County Normal S.
Kelly, Anna Marie, *a*, *w*, Chicago. Chicago Teachers C.
Kelly, Nelle Smith, *a*, *w*, *sp*, Danville. De Paul U.
Kennedy, Esther Stewart, *a*, *w*, Chicago. Chicago Teachers C.
Kennedy, May, *a*, *w*, *sp*, Anna. Ohio State U.
Kennedy, Nora, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Keroff, Fannie, *a*, *w*, Chicago. Lewis Inst.
Kiesling, Viola Mary, *a*, *w*, *sp*, Chicago. Soper C.
Kilroy, Alice Patricia, *a*, *w*, Chicago. Chicago Teachers C.
Kimpton, Laura M., *a*, Chicago. Toronto U.
Kinney, Katherine, *a*, *w*, Oak Park. Michigan State Normal C.
Klee, Laura Mary, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Klein, Belle, *a*, Chicago. Chicago Normal S.
Knowles, Dorothy Regna, *a*, *w*, *sp*, Park Ridge. Chicago Normal S.
Kohn, William Carl, *a*, *w*, River Forest. Concordia Sm.
Kollman, Clara Monica, *a*, *w*, Chicago. Illinois State Normal S.
Komp, Beulah Leonore, *w*, *sp*, Harvey. Northern Illinois State Normal S.
Koopman, Lucy Hale, *a*, Allegan, Mich. Englewood Night S.

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Kranz, Emily Marie, *sp*, Arlington Heights. Chicago Normal S.
Kritzer, John Basil, *w*, Oak Park. Oak Park Hs.
Kropf, Irene Victoria Anna, *a*, *w*, Miles City, Mont. Kansas State Normal S.
Kuebler, Elizabeth, *sp*, Chicago. Chicago Normal S.
Kuehnert, Frederick Gerhart, *a*, *w*, *sp*, Crystal Lake. Concordia Sm.
Kuntz, Bertha, *a*, *w*, Chicago. Chicago Normal S.
Laing, Lucy Ida, *a*, *w*, *sp*, Chicago. West Division Hs.
Lake, Edna Genevieve, *a*, Dana, Ill. Illinois State Normal S.
Lampert, Florence May, *a*, *w*, Chicago. U. of Wisconsin.
LaPres, Aurora Dorothea, *a*, *w*, Chicago. Private study.
Larson, Elsie F., *a*, *w*, Chicago. De Kalb State Normal S.
Lazareff, Benjamin George, *a*, Chicago. Private study.
Learn, Maysie Perle, *a*, Chicago. Thornton Hs.
Learn, Verna Mildred, *a*, Chicago. Thornton Hs.
Lee, Mary Esther, *a*, *w*, Oak Park. Whitewater, Wis., Normal S.
Lee, Royal David, *w*, Chicago. Northwestern Agricultural C.
Legett, Travis William, *a*, *w*, Chicago. U. of Illinois.
Legler, Florence Anne, *w*, *sp*, Berwyn. Northwestern U.
Leonard, Fleta May, *a*, *w*, Joliet. Joliet Normal S.
Leubrie, Nina, *w*, *sp*, Chicago. Chicago Normal S.
Levin, Anna Gertrude, *a*, *w*, Chicago. Chicago Teachers C.
Levin, Arthur, *a*, *w*, *sp*, Chicago. Chicago Kent College of Law.
Levy, Eva, *a*, Chicago. Missouri State U.
Lewis, Emma Lou, *a*, Chicago. Illinois State Normal S.
Lewis, Virginia Taylor, *w*, *sp*, Chicago. Hyde Park Hs.
Lewison, Julia Maurice, *a*, *w*, Chicago. Lewis Inst.
Ligman, Thaddeus Stanislaus, *a*, *w*, *sp*, Chicago. St. Stanislaus C.
Linden, Ida Augusta, *a*, Chicago. Froebel Kindergarten C.
Lindsey, Fanny Cross, *w*, *sp*, Otsego, Mich. Western State Normal S.
Lipsey, Emily Gertrude, *a*, *w*, Riverside. Chicago Normal S.
Littell, Nora May, *a*, *w*, *sp*, Chicago. Private study.
Little, Letta Davis, *a*, *w*, Chicago. Private study.
Livingston, Caroline, *a*, Oak Park. Valparaiso, Ind., Normal S.
Lobdell, Ruth Esther, *w*, *sp*, Chicago. Newcomb Hs.
Logasa, Hanna, *a*, *w*, *sp*, Chicago. U. of Iowa.
Lorentz, George Gihan, *a*, *w*, *sp*, Chicago. Y.M.C.A.
Lorschieder, Lillian Belle, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Lothrop, Emma Barrett, *sp*, Chicago. South Division Hs.
Lutke, Elsie Loretta, *a*, *w*, Chicago. Chicago Normal S.
Lyman, Margaret C., *a*, *w*, Chicago. Whitewater, Wis., Normal S.
Lynch, Katherine Frances, *a*, *w*, Chicago. South Division Hs.
Lynch, Mary Ellen, *a*, *w*, Chicago. La Fayette, Ind., Hs.
Lynch, Mary Grace, *a*, *sp*, Chicago. Chicago Teachers C.
Lyon, Ethel, *a*, *w*, Chicago. Chicago Normal S.
Lyons, Frank, *a*, *w*, Chicago. De Paul U.
Lyster, Mabel Eliza, *a*, *w*, Chicago. Northern Illinois State Normal S.
Lytton, Anna May, *w*, *sp*, Harvey. Chicago Normal S.
McArdle, Margaret Mary, *a*, *w*, Chicago. De Paul U.

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McAuley, Helen Louise, *sp*, Chicago. Chicago Normal S.
McBride, Marguerite, *w*, *sp*, Oak Park. St. Mary's of the Woods A.
McCahey, Marie Agnes, *w*, Chicago. Chicago Teachers C.
McCann, Patrick, *a*, *w*, *sp*, Chicago. Maynooth, Ireland, C.
McCarthy, Lee Ora, *a*, *w*, Chicago. Kirkland, Ill., Hs.
McComskey, Rose A., *w*, *sp*, Chicago. Northern Indiana Normal S.
McCormick, Evelyn Agnes, *a*, *w*, *sp*, Laporte, Ind. Illinois State Normal S.
McCullough, Marguerite, *a*, Chicago. Chicago Normal S.
McDermott, Adele Veronica, *a*, *w*, Chicago. Chicago Normal S.
McDermott, Valeria D., *a*, *w*, Chicago. Mount St. Joseph's C.
McDonnell, Marie Madeline, *sp*, Chicago. Iowa State Teachers' C.
McElroy, Mary Frances, *a*, Chicago. National Kindergarten C.
McGaughey, Fannie Bell, *w*, East Chicago, Ind. Western Illinois State Normal S.
McGinnis, Jeanette Bliss, *a*, *w*, Evanston. Chicago Froebel Association.
McInerny, Julia, *w*, *sp*, Chicago. Chicago Normal S.
McKenzie, Louise, *a*, *w*, Evanston. U. of Michigan.
McLaren, Mabel, *a*, *w*, Chicago. Hughes Hs., Cincinnati, Ohio.
McLaughlin, Margaret Lovisa, *a*, Chicago. Springfield Hs.
McLean, Catherine Currie, *a*, Chicago. Traer, Iowa, Hs.
McNamara, John Francis, *w*, Chicago. St. Ignatius C.
McNamee, Rose Josephine, *sp*, Chicago. Private study.
McQueen, Donald Angus, *a*, *w*, Chicago. Austin C.
McVoy, Celeste Agmond, *a*, *w*, *sp*, Chicago. St. Louis, Mo., Normal S.
Madary, Emma Hartman, *a*, *w*, Chicago. Chicago Teachers C.
Madden, Pauline Schumann, *a*, *w*, Chicago. Private study.
Madison, Agnes Fraser, *w*, *sp*, Chicago. West Chicago Hs.
Maher, Julia, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Maivald, John Frank, *w*, Chicago. Harrison Technical Hs.
Mandel, Blanche Rosenbaum, *w*, *sp*, Chicago. Armour Inst.
Mandel, Stella Kaufman, *sp*, Chicago. Dubuque, Iowa, Hs.
Marble, Fannie Louisa, *a*, *w*, *sp*, Chicago. U. of Valparaiso.
Margorian, Georgina, *sp*, Chicago. South Division Hs.
Marquette, Walter Edmond, *w*, Chicago. Private study.
Marquis, Neva Virginia, *a*, *w*, Chicago. Galva, Ill., Hs.
Marsh, Jessie Luella, *sp*, Chicago. Hyde Park Hs.
Marsh, Julia Coffman, *a*, *w*, *sp*, Chicago. Illinois State Normal S.
Marsh, Mary Rawson, *a*, *w*, Chicago. Chicago Normal S.
Marx, Emma, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Masely, Margaret, *a*, *w*, LaGrange. Lewis Inst.
Mayo, Arthur Eugene, *a*, *w*, Chicago. Illinois C. of Law.
Means, Anna Margaret, *a*, *w*, Chicago. Iowa State Teachers' C.
Melaniphy, Loretto, *sp*, Chicago. Chicago Normal S.
Melville, Myrtle Mary, *sp*, Chicago. Chicago Teachers C.
Merritt, Mary Gilman, *sp*, Chicago. Chicago Normal S.
Messiter, Sue Thompson, *a*, *w*, Chicago. South Division Hs.
Mikelson, Elsie G., *w*, *sp*, Chicago. De Paul U.
Milburn, Anne Laura, *a*, *w*, *sp*, Chicago. Ottumwa, Iowa, Hs.

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Miller, Albert Hermann, *a*, *w*, Oak Park. Addison Normal S.
Miller, Anna, *a*, *w*, Chicago. Chicago Normal S.
Miller, Edna Marie, *w*, Chicago. Chicago Normal S.
Miller, Elmer Frank, *a*, *w*, Chicago. Private study.
Miller, Josephine, *a*, *w*, Elgin. Milwaukee-Downer C.
Miller, William Albert, *a*, *w*, *sp*, Chicago. Private study.
Mirrielees, Doris Irene, *a*, *w*, Chicago. Chicago Teachers C.
Mitchell, Charlotte Louise, *w*, *sp*, Chicago. North Division Hs.
Montgomery, Bernice Jones, *a*, Chicago. Wendell Phillips Hs.
Moore, Emily English, *w*, *sp*, Chicago. A. of Our Lady.
Moore, Marie Selden, *a*, *w*, Chicago. Austin Hs.
Morse, Gertrude Woodward, *w*, *sp*, Oak Park. Oak Park Hs.
Morse, Grace Evelyn, *a*, *w*, Chicago. Chicago Normal S.
Mueller, Albert Christopher, *a*, Chicago. North Division Hs.
Muenich, Lida, *a*, Hammond, Ind. Indiana State Normal S.
Mulvihill, Eleanor Marie, *a*, *w*, Chicago. St. Xavier's A.
Munroe, Virginia, *a*, *w*, *sp*, Chicago. Bellevue, Mich., Hs.
Murphy, Emma Verena, *sp*, Chicago. Chicago Normal S.
Murphy, Frank George, *a*, *w*, Chicago. Private study.
Murphy, Lloyd Earl, *w*, *sp*, Chicago. Morgan Park A.
Murphy, Rose Elizabeth, *sp*, Chicago. Mauston, Wis., Hs.
Murray, Laura Hazel, *a*, *w*, *sp*, Highland Park. Illinois State Normal U.
Myall, Charles Arthur, *a*, *w*, Oak Park. Illinois State Normal U.
Nagel, Wilbur Harold, *sp*, Chicago. Hanover, Ohio, C.
Nast, Carrie Grennebaum, *w*, Chicago. Northwestern U.
Neil, Jane Alice, *a*, *w*, Chicago. U. of Michigan.
Nelson, Annie, *a*, *w*, Chicago. De Kalb State Normal S.
Nelson, Jennie Elvera, *a*, *w*, Chicago. Waller Hs.
Newlee, Clara Ellen, *a*, *w*, Chicago. Carrolton, Mo., Hs.
Neylon, Rose, *w*, Chicago. Mount Sterling, Ill., Hs.
Nicely, Albert J., *sp*, Forest Park. Pennsylvania State Normal S.
Nichelson, Florence Pine, *a*, Elmhurst. Mankato, Minn., Normal S.
Nichols, Mary Cecelia, *sp*, Chicago. Chicago Normal S.
Nicholson, Louise Bessie, *a*, Blue Island. Charleston Hs.
Niederman, Sara Clio, *a*, *w*, *sp*, Chicago. Tuley Hs.
Nilsson, Anna Marie, *sp*, Chicago. South Division Hs.
Noble, Cecelia, *a*, *w*, Whiting, Ind. U. of Michigan.
Noonan, Catherine, *a*, *w*, Chicago. Lewis Inst.
Norris, Nettie H., *a*, *w*, Chicago. Princeton, Ill., Hs.
North, Hugh, *a*, *w*, Chicago. Indiana U.
Norton, Marie Therese, *sp*, Evanston. Northwestern U.
Novak, Joseph, *w*, *sp*, Chicago. Private study.
Nowak, Helen Louise, *w*, Chicago. Loretto Convent.
Nunn, Edwin James, *w*, *sp*, Chicago. Y.M.C.A. C.
Nutty, Carl Arthur, *sp*, Hopedale. James Millikin U.
O'Brien, Kathryn Amelia, *a*, *w*, *sp*, Chicago. Lewis Inst.
O'Brien, Marguerite Lucilla, *a*, *w*, *sp*, Chicago. West Division Hs.
O'Brien, Theresa, *a*, *w*, *sp*, Chicago. Lewis Inst.

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O'Brien, Virginia Helen, *w, sp*, Chicago. Chicago Normal S.
O'Byrne, Agatha, *a, w*, Chicago. Lewis Inst.
O'Byrne, Elizabeth, *a, w*, Chicago. Loyola U.
O'Connell, Mae Eleanor, *a*, Chicago. St. Patrick's Hs.
O'Connell, Mary Anna, *a, w, sp*, Chicago. Chicago Normal S.
O'Connell, Rose Helen, *a, w, sp*, Chicago. De Paul U.
Ogden, Josephine Frances, *a, w*, Chicago. Chicago Normal S.
O'Keefe, Ella Frances, *a, w, sp*, Chicago. Chicago Normal S.
O'Keefe, Sarah Jane, *sp*, Arlington Heights. Cook County Normal S.
Okeson, Margaret, *a, w*, Chicago. South Division Hs.
Oldfather, George W., *a, w*, Winnetka. Abingdon C.
O'Leary, Margaret Elizabeth, *a, w*, Chicago. Chicago Normal S.
Oliver, Maude Isabella Gray, *a, w, sp*, Chicago. South Division Hs.
Olmsted, Josephine Breese, *a, w*, Glencoe. Bloomington State Normal S.
Olson, Albertine Josephine, *a, w*, Chicago. West Division Hs.
Olson, Ellen Mary, *a, w*, Chicago. Chicago Teachers C.
Olson, Lillian Ruth, *sp*, Chicago. Chicago Normal S.
O'Meara, Margaret Loretta, *w, sp*, Chicago. Chicago Normal S.
O'Neill, Julia Mary, *a, w*, Chicago. Chicago Normal S.
Oneska, Mary Hedwig, *w, sp*, Chicago. Tuley Hs.
Onthank, Kate Malloy, *w, sp*, Chicago. Waukegan, Ill., Hs.
Oosterbeck, Margo Cornelia, *a, w, sp*, Chicago. Englewood Hs.
Osborn, Kenneth Arthur, *w*, Chicago. Dakota Wesleyan U.
Osborne, Mary B., *a, w*, Chicago. Sparland S.
Paarlberg, Mary, *a, w, sp*, Chicago. Northwestern U.
Pace, Vincent Pacienza, *a, w, sp*, Chicago. Northwestern U.
Paddock, Helen Amy, *a, w*, Chicago. Tekonsha, Mich., Hs.
Pammel, Alwine, *a, w, sp*, Chicago. Teachers' Normal S., Germany.
Parish, Rose Mary, *a, w*, East Chicago, Ind. Froebel Kindergarten Association.
Parkhill, Mercy Simeral, *a*, Oak Park. West Division Hs.
Parsons, Ruth Phelps, *a, w*, Chicago. West Division Hs.
Patchen, Alice Mary, *a*, Chicago. Ottawa, Ill., Hs.
Pattee, Helen, *w, sp*, Chicago. De Kalb State Normal S.
Pattee, May, *w, sp*, Chicago. De Kalb State Normal S.
Paul, Ethel Clotilde, *a, w*, Chicago. Indiana State Normal S.
Pearce, Margaret Ethel, *a, w*, Chicago. Indiana U.
Pease, Leonora, *a, w, sp*, Chicago. Denver U.
Pederson, Winifred Marie, *w*, Oak Park. Marshall Hs.
Peek, Ruth Matthews, *a, w*, Chicago. Hamilton, N.C., Hs.
Peickert, Leora, *sp*, Chicago. Chicago Normal S.
Perham, Mabel Ella Todd, *w, sp*, Chicago. Chicago Normal S.
Perkins, Frank Augustus, *a, w, sp*, Chicago. Peabody, Mass., Hs.
Perlstein, Frances, *w, sp*, Chicago. Waller Hs.
Peterson, James Andrew, *a, w, sp*, Chicago. West Division Hs.
Peterson, Lillian Evelyn, *sp*, Chicago. Chicago Normal S.
Pfeil, Emil William, *a, w*, Chicago. Chicago Normal S.
Pfeil, Paul Leopold, *a, w*, Chicago. Armour Inst.

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Philips, Ellen Thomas, *a, w, sp*, Berwyn. Northfield Sm., Mass.
Phillips, Cherrie, *sp*, Chicago. Chicago Normal S.
Pierce, Robert Coale, *a, w, sp*, Chicago.
Pingry, Mabel Eunice, *a, w, sp*, Crystal Lake. Northern Illinois State Normal S.
Plant, Gertrude Cecelia, *a, w*, Chicago. Chicago Normal S.
Pool, Charles Henry, *a, w, sp*, Chicago. Private study.
Pool, Ellen, *a, w, sp*, Chicago. West Division Hs.
Poust, Roy Merton, *a, w*, Cicero. Northern Illinois State Normal S.
Powell, Pearl Pogue, *w, sp*, Sullivan. DePauw U.
Power, Nellie Gertrude, *w, sp*, Chicago. Valparaiso U.
Powers, Mary Gertrude, *w, sp*, Harvery. Thornton Township Hs.
Powers, Minnie Della, *a, w*, Chicago. Michigan State Normal S.
Price, Charles Benjamin, *w*, Blue Island. Bradley, Pa., Inst.
Pritchard, Sophia Ellen, *a, w*, Chicago. West Division Hs.
Quinlan, Eleanor Marie, *w, sp*, Chicago. Curtis Hs.
Quinlan, Katherine, *a, w*, Oak Park. Northern Illinois State Normal S.
Quinn, Josie L., *a, w*, Chicago. Dodgeville Hs.
Quinn, Mary E., *a, w, sp*, Chicago. St. Xavier's A.
Rabe, Henry Albert, *a, w*, Chicago. U. of Wisconsin.
Rabe, Olive Henriette, *a, w*, Chicago. Tuley Hs.
Rabette, Mary Joseph, *sp*, Chicago. Chicago Normal S.
Rafferty, Rose Elizabeth, *sp*, Chicago. West Division Hs.
Rankin, Mabel, *a, w*, Chicago. Chicago Normal S.
Rassweiler, Ethel Jean, *a*, Naperville. Northwestern U.
Raymond, Carrie Lamb, *a, w*, Hinsdale. Hillhouse Hs., New Haven, Conn.
Reed, Grace Adelaide, *a, w*, Chicago. Illinois State Normal U.
Reid, Genevieve Puffer, *a, w*, Downers Grove. Wheaton C.
Reimann, Marie Charlotte, *a, w*, Chicago. Englewood Hs.
Reinhard, Clara Elfrieda, *sp*, Chicago. Chicago Teachers C.
Remmers, Mary Cecelia, *a, w*, Chicago. Chicago Normal S.
Renaud, Flora Victoria, *a, w*, Chicago. Private study.
Renstrom, Elmer Paul, *w, sp*, Omaha, Neb. South Omaha Hs.
Reuter, Minnie Cecilia, *w*, Chicago. West Division Hs.
Reynolds, Grace Adelia, *sp*, Chicago. Chicago Normal S.
Reynolds, Mary Etta, *a, w, sp*, Chicago. Tri-State Normal S., Angola, Ind.
Rhodes, Alice Louise Aikens, *a, w, sp*, Harvey. U. of Illinois.
Richter, Augusta, *a*, Chicago. Northwestern U.
Riddell, John Tate, *w, sp*, Evanston. Yale U.
Rigney, Gertrude Mary, *a, w*, Chicago. Chicago Normal S.
Riley, Norah Cecilia, *a, w*, Chicago. Chicago Normal S.
Rio, Minnie Angeline, *sp*, Blue Island. Chicago Normal S.
Robinson, Adelia Estella, *a, w*, Chicago. Lewis Inst.
Rochford, Annie, *a, w, sp*, Chicago. Chicago Normal S.
Roesler, Albert Henry, *a*, Chicago. Private study.
Rogers, Mary Ellen, *w, sp*, Chicago. De Paul U.
Rogers, Susan Josephine, *a, w*, Chicago. Chicago Normal S.
Rondthaler, Anna Salome, *a, w, sp*, Blue Island. Lake View Hs.

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Rosen, Herbert John, *a*, *w*, *sp*, Denver, Colo. Northwestern U.
Rosenberg, Joseph, *a*, *w*, Chicago. Northwestern U.
Rosenstock, Hattie, *sp*, Chicago. Elko, Nev., Hs.
Ross, Frances Josephine, *w*, *sp*, Chicago. Chicago Normal S. of Physical Education.
Rossen, Anna Harriette, *a*, *w*, Chicago. Tuley Hs.
Rowell, Cora Worcester, *a*, *w*, Glencoe. Momence Hs.
Roziene, Addie Eliza, *a*, *w*, Chicago. Illinois State Normal U.
Rueff, Katherine Schlund, *a*, *w*, Oak Park. Oak Park Hs.
Rupel, Carrie, *a*, *w*, *sp*, Elkhart, Ind. Northern Indiana Normal S.
Russell, Lelah Clyde, *a*, *w*, Robertsdale, Ala. Hyde Park Hs.
Russell, Lillian Elizabeth, *a*, *w*, Arlington Heights. Evanston Hs.
Ryan, Gerald, *sp*, Chicago. Bowen Hs.
Ryan, Julia Helen, *a*, *w*, Chicago. Lake Hs.
Ryan, Mary Catherine, *a*, *w*, Chicago. Chicago Normal S.
Ryan, Mary Elizabeth, *sp*, Chicago. St. James Hs.
Ryan, Monica, *a*, *w*, Chicago. Chicago Teachers C.
Ryan, Nellie Florence, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Rylander, Annie Louise, *a*, *w*, *sp*, Chicago. Austin Hs.
Salter, Edith, *a*, *w*, Chicago. Lewis Inst.
Samels, Claire Bertha, *a*, *w*, Chicago. Lewis Inst.
Samse, Leroy Perry, *a*, *w*, Kokomo, Ind. Indiana U.
Sandmeyer, Anna E., *w*, Chicago. Chicago Normal S.
Sandstedt, Esther Marie, *w*, *sp*, Paxton. Illinois State Normal S.
Sarbaugh, Edith Elizabeth, *a*, *w*, Waterman. De Kalb State Normal S.
Schafer, Ingeborg, *sp*, Chicago. Chicago Normal S.
Schellhorn, Greta, *sp*, Davenport, Iowa. Lewis Inst.
Scherbarth, Ellen Mary, *sp*, Chicago. Tuley Hs.
Schilling, Gertrude D., *a*, *w*, Chicago. South Division Hs.
Schimek, Cecelia Barbara, *a*, *w*, Chicago. U. of Wisconsin.
Schmidt, Hedwig, *a*, *w*, Chicago. Chicago Normal S.
Schmidt, Paul Charles, *w*, Chicago. Chicago Technical C.
Schmidt, Theodore, *a*, *w*, *sp*, Indianapolis, Ind. Northwestern U.
Schmitt, Elizabeth Verdier, *w*, *sp*, Chicago. German C.
Schmitt, Felix Harold, *w*, *sp*, Chicago. Yale U.
Schooley, Huldah, *a*, *w*, Chicago. Chicago Normal S.
Schreiber, Clara Ethel, *sp*, Chicago. Northwestern U.
Schueler, Mabelle Catherine, *a*, Chicago. Chicago Teachers C.
Schweitzer, Eleanor, *sp*, Chicago. Private study.
Scott, Margaret Beatrice, *a*, *w*, Chicago. Chicago Normal S.
Scott, Maud Emily, *a*, *w*, Rensselaer, Ind. De Kalb State Normal S.
Sedlack, Albert, *a*, Chicago. Lewis Inst.
Seeberger, Adelaide May, *a*, *w*, Chicago Beach Hotel. Girton S.
Seed, Mary Ina, *a*, Olney. Illinois State Normal S.
Sellikin, Manda Andre, *w*, *sp*, Chicago. Lewis Inst.
Semmelmeyer, Madeline, *a*, Chicago. Chicago Normal S.

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Shaw, Howard Webster, Jr., *w*, Oak Park. Lewis Inst.
Shaw, Viola M., *a*, *w*, Chicago. Chicago Normal S.
Shea, Francis Marie, *a*, *w*, Chicago. Chicago Normal S.
Shearin, Mary, *a*, *w*, Chicago. Chicago Normal S.
Shine, Anna Catherine, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Shipp, Julius Wilson, *a*, *w*, Mineola, Tex. East Central Normal S.
Shklar, Borris Samuel, *w*, Chicago. Technical Inst.
Shumaker, Marguerite, *w*, Ortonville, Minn. Handicraft Guild Normal Art S.
Simpson, Isa, *a*, *w*, Chicago. U. of Manitoba.
Skolnik, Brownie, *sp*, Chicago.
Skora, Ethel, *a*, Chicago. Private study.
Slack, Elizabeth, *a*, Chicago. Rushville Hs.
Smith, Alva May, *a*, *w*, Chicago. Nashville C.
Smith, Catherine Christina, *w*, Chicago. Chicago Teachers C.
Smith, Dora Grayson, *a*, *w*, Chicago. Michigan State Normal C.
Smith, Elizabeth, *a*, *w*, *sp*, Cairo. Missouri State Normal S.
Smith, Frances Welton, *a*, *w*, Chicago. The Anna Morgan Studios.
Smith, Georgiana, *a*, *w*, Evanston. Rhode Island Normal S.
Smith, Helen Dorothy, *sp*, Chicago. Chicago Normal S.
Smith, Marian, *w*, Chicago. U. of Illinois.
Smith, May Ermentrout, *a*, *w*, Chicago. Sargent's Normal S. of Physical Education.
Smith, Paishe Bert, *a*, Chicago. Chicago Kent C. of Law.
Smith, Vincent M., *a*, *w*, Chicago. Chicago Kent C. of Law.
Snyder, Charlotte Viola, *a*, *w*, Chicago. Chicago Teachers C.
Snyder, Ethel Henrietta, *a*, *w*, *sp*, Chicago. Chicago Normal S.
Soderberg, Fred William, *w*, *sp*, LaGrange. Lyons Township Hs.
Soelke, Elsa Dorothy, *sp*, Chicago. Lewis Inst.
Solberg, Mary, *a*, *w*, Chicago. Manitowoc, Wis., Hs.
Soma, Trygve, *w*, *sp*, Stavanger, Norway. Northwestern U.
Sorensen, Florence, *a*, *w*, Chicago. National Kindergarten C.
Spawr, Minnie Leonne, *a*, *sp*, Chicago. Illinois State Normal U.
Spencer, Harold Finley, *sp*, Waukegan. Illinois State Normal U.
Stack, Robert William, *w*, Chicago. Lake Hs.
Staley, Harry Irving, *sp*, Chicago. Chicago Kent C. of Law.
Stalzle, Winifred Vesta, *w*, Chicago. St. Louis Hs.
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Stedman, Maria M., *a*, *w*, Chicago. West Division Hs.
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Steele, Margaret, *a*, *w*, Evanston. Ionia, Mich., Hs.
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Stetzler, Emma, *a*, *w*, *sp*, Kellerton, Iowa. Illinois State Normal U.
Stevens, Charlotte Mary, *a*, *w*, Riverside. Chicago Kent C. of Law.
Stitt, Natalie, *a*, *w*, Chicago. Chicago Teachers C.
Stoll, Lucile Manuel, *w*, Oak Park. North Division Hs.
Strachan, Bertha Agnes, *sp*, Chicago. Chicago Normal S.
Strain, Adda May, *a*, *w*, *sp*, Clinton. Clinton Public S.

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Stright, Keziah, *a, w*, Gary, Ind. Indiana State Normal S.
Sullivan, Annie Kenny, *a, w, sp*, Chicago.
Sullivan, Edna Gertrude, *a, w, sp*, Chicago. Michigan State Normal C.
Sullivan, Lillian M., *a, w*, Rochelle. De Kalb State Normal S.
Summers, Edward Philip, *w, sp*, Chicago. Chicago Normal S.
Sutherland, Emorette, *a*, Chicago. Madison Ave. S.
Swane, Alma Anderson, *a, w*, Chicago. Lake Hs.
Swanson, Anna Ragnhild, *a, w*, Bayfield, Wis. Superior, Wis., Normal S.
Swanson, Caroline Hannah, *sp*, Chicago. Chicago Normal S.
Swartout, Ransom James, *w*, Chicago. Crane Hs.
Swenson, Ruth Catherine, *a, w*, Chicago. Chicago Teachers C.
Swoboda, Frederick Charles, *a, w*, Austria. Foreign schools.
Tauchen, Marie Wellik, *a, w, sp*, Chicago. West Division Hs.
Taylor, Franklin Evans, *a, w, sp*, Chicago. Benton C.
Taylor, Mary, *a, w*, Chicago. Jefferson Hs.
Theilgaard, Laura M., *sp*, Chicago. Chicago Normal S.
Thielen, Albert Michael, *w*, Chicago. C. of Luxemberg.
Thiell, Marie Louise, *a, w*, Chicago. Marquette Normal S.
Thirsk, Emily A., *w, sp*, Chicago. Lake View Hs.
Thomas, Robertson, *w, sp*, Chicago. Lewis Inst.
Thompson, Boone Hampton, *w, sp*, Aurora. Kalamazoo C.
Thorud, Madeline, *a, w*, Chicago. Chicago Normal S.
Tidball, Jeannette, *a, w*, Chicago. West Division Hs.
Tidd, Harriet Alexina, *a, w*, Chicago. McKinley Hs.
Tidholm, Amy Dorothy, *a*, Chicago. National Kindergarten C.
Tietz, Hanna Louise, *a, w*, Grand Haven, Mich. Michigan State Normal C.
Tietz, Mathilde, *a, w*, Grand Haven, Mich. Michigan State Normal C.
Tiffany, Deedie, *a*, Antioch. Illinois State Normal S.
Tiffany, Grace Valentine, *sp*, Chicago. Chicago Normal S.
Tillson, Mabel Louise, *a, w*, Naperville. Northwestern C.
Timms, Grace B., *a, w*, Chicago. Chicago Kindergarten C.
Torgersen, Mamie A., *a, w, sp*, Chicago. Chicago Normal S.
Tosney, Mary E., *a, w*, Chicago. U. of Illinois.
Towsley, William Burnell, *a, w*, Downers Grove. White Pigeon, Mich., Hs.
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Tregellas, Ida, *a, w*, Chicago. Astoria Hs.
Trempe, Minnie, *sp*, Chicago. Michigan State Normal C.
Trenbeth, Janet May, *a, w*, Evanston. Northwestern U.
Tromley, Meriam, *w, sp*, Harvey. Northwestern U.
Trotter, Anna Elizabeth, *a, w*, Charlotte, N.C. Lewis Inst.
Tschan, Alice Eliza, *a, w, sp*, LaGrange. Private study.
Tull, Lola Mary, *a, w, sp*, Chicago. Eastern Illinois State Normal S.
Ufer, Henry William, *a, w, sp*, Chicago. Y.M.C.A. C.
Valerius, Doris Marie, *sp*, Chicago. Chicago Kindergarten Inst.
Van Aken, Mildred M., *a, w*, Evanston. Mercy Hospital for Nurses.
Van Antwerp, Beryl, *a, w*, Dowagiac, Mich. Western Michigan Normal C.

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Vance, Mary Eliza, *a,* Chicago. Private study.
Vanderpoel, Elizabeth Rose, *a,* Chicago. Chicago Normal S.
Van Goens, Maylon Ruth, *w, sp,* Chicago. Lewis Inst.
Van Pelt, Magaret Pullar, *w, sp,* Chicago. Grand Rapids Kindergarten.
Van Santford, Nelle, *w, sp,* Chicago. Polo Hs.
Veail, Anna Gertrude, *w, sp,* Washington C.H., Ohio. Washington C.H. Hs.
Veale, Alice Flora, *a, w, sp,* Chicago. De Paul U.
Veggeberg, Sophie, *w,* Chicago. Chicago Normal S.
Verhoeven, Mary Elizabeth, *a, w, sp,* Harvey. Hyde Park Hs.
Vetterliet, Anna Susetli, *a,* Evanston. U. of Illinois.
Viner, Flossie Alta, *a, w,* Mazon. Illinois State Normal S.
Vinje, Aad Kornelius, *a,* Chicago. Red Wing C.
Vodos, Genevieve, *a, w, sp,* Chicago. Chicago Normal S.
Voelkler, Estella May, *sp,* Chicago. Selms Grove Hs.
Waggoner, Mina, *a, w, sp,* Exline, Iowa. Southern Iowa Normal S.
Wagner, Alice Marie, *w,* Chicago. Wendell Phillips Hs.
Wagner, Lillian Elizabeth, *w, sp,* Batavia. Illinois State Normal S.
Wait, Mary Lorena, *a, w,* Chicago. Private study.
Walker, Cilena Grace Mercer, *a, sp,* Fonda, Iowa. Iowa State Normal S.
Walker, Edwin O., *a, w,* Chicago. Private study.
Walker, Jeanette, *a,* Winnetka. Rosemary Hall.
Walker, Mary Linda, *a,* Chicago. Chicago Teachers C.
Wallace, John, *w, sp,* Belfast, Ireland. Belfast Technical Inst.
Walsh, Ella Esther, *a, w,* Chicago. Northwest Division Hs.
Walsh, Frank William, *w,* Cicero. Western State Normal S.
Ward, Anna Lucile, *a, w,* Chicago. Chicago Teachers C.
Ward, Rose Catherine, *a, w, sp,* Chicago. De Paul U.
Ward, Rose Hesket, *a, w, sp,* Chicago. S. of Civics and Philanthropy.
Warde, Margaret Verne, *sp,* Chicago. St. James Hs.
Warfel, Sylvia, *w,* Chicago. Englewood Hs.
Waterbury, Dora Ellen, *a, w,* Chicago. Private study.
Waters, Elisabeth Maher, *a, w, sp,* Chicago. Chicago Normal S.
Watt, Ida, *a, w, sp,* South Haven, Mich. National Kindergarten C.
Way, Flora Kings, *w,* De Kalb State Normal S.
Webster, Helen E., *a,* Chicago. National Park Sm.
Weichett, Martha Maude, *a, w,* Chicago. Chicago Teachers C.
Weiger, Adelaide, *a, w, sp,* Chicago. Normal Extension.
Weiger, Clara, *a, w, sp,* Chicago. Jackson, Mich., Hs.
Weinberg, Morris Adolph, *a,* Chicago. Chicago Kent C. of Law.
Weinnette, Theo. Edessa, *a, w,* Chicago. Chicago Teachers C.
Weinstein, Ethel Cohn, *sp,* Chicago. Chicago Normal S.
Weir, Mary Elizabeth, *sp,* Chicago. Lewis Inst.
Weiss, George Varga, *a,* Chicago. Northwestern U.
Welch, Mary Eldora, *a, w,* Rockford. Lewis Inst.
Weldon, Emma, *a,* Chicago. Lewis Inst.
Wellman, Cyrenus John, *a, w,* St. Helena, Cal.
Welty, Frances Josephine, *a, w, sp,* Amboy. Normal State U.

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Wheaton, Josephine Frances, *w, sp*, Harvey. Capac, Mich., Hs.
Wheeler, Effie, *a, w*, Chicago. U. of Michigan.
Wheeler, Nina Louise, *a, w, sp*, Chicago Heights. Silver Burdett Music S.
White, Amelia Eldora, *w*, Indiana Harbor, Ind. Clinton, Iowa, Hs.
White, Anna Marie Cutts, *w, sp*, Chicago. T. Raymond S.
White, Anna May, *a, w*, Chicago. Chicago Teachers C.
White, Clara Isabel, *a*, Essex. Illinois State Normal U.
White, Lloyd A., *w, sp*, Chicago. Lewis Inst.
White, Mary, *a*, Chicago. Lewis Inst.
White, Raymond A., *a, w*, Chicago. Austin C.
Whitney, Franklin Greeley, *a, w*, Chicago. Private Study.
Whitsit, Beulah, *a, w*, Chicago. Decatur Hs.
Wickstrom, Marion I., *sp*, Chicago. Chicago Normal S.
Wightman, Clara Louisa, *w, sp*, Wilmette. Indiana Normal S.
Williams, Etta Grace, *sp*, Chicago. Chicago Normal S.
Williams, Eva A., *w, sp*, Libertyville. Libertyville S.
Williams, Jane Edwards, *a, w*, Chicago. Lake Forest C.
Williams, Lillian E., *a, w*, Chicago. Sargents Normal Training S.
Williams, Mary N., *a, w, sp*, Oak Park. Columbia U.
Wilson, Ida Henrietta McCready, *a*, Chicago. Columbia C. of Expression.
Wilson, Lillian May, *a*, Oak Park. Cleveland Normal S.
Wilson Nell, *a, w*, Evanston. Renton Hs.
Windstor, Amy Rebecca, *w*, Evanston. Northwestern U.
Witten, Frances Vail, *w, sp*, Chicago. Albany, Mo., Hs.
Wolaver, Florence Elizabeth, *a, w*, Evanston. Jacksonville, Fla., Hs.
Woldstad, Dorothy Mellen, *w*, Brockton, Mass. Emerson C.
Wolfberg, Esther, *a*, Wakarusa, Ind. Chicago Teachers C.
Wolfe, Arthur Richard, *a, w*, Chicago. Jenner Medical C.
Woods, Margarete Evelyn, *a, w*, Berlin, Mich. Michigan State Normal C.
Worsley, O. Clair, *w*, Yorkville. Lewis Inst.
Worthington, John Edgar, *a, w, sp*, Hobart, Ind. Valparaiso U.
Wright, Sara Margaret, *a*, Chicago. Chicago Normal S.
Wulf, Olga Anna Elizabeth, *w, sp*, Chicago. Chicago Normal S.
Wyse, Jennie Dyer, *a, w*, Chicago. M. L. Canton (Miss) Female Inst.
Yorke, Susan Adelaide, *w, sp*, Chicago. Toronto, Canada, Hs.
Young, Helen Shipman, *a*, Chicago. Paris Hs.
Younts, Ernest Lester, *a, w*, Oak Park. Bradley Polytechnic Inst.
Zweig, Harry H., *a, w*, Chicago. Private study.

MEN—186 WOMEN—688 TOTAL—874

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THE DIVINITY SCHOOL

THE GRADUATE DIVINITY SCHOOL

I. GRADUATES OF THEOLOGICAL SEMINARIES

Ackiss, Ernest Lee, *s*, Oceana, Princess Anne County, Va. A.B. (Richmond C.) '10; Th.M. (Southern Baptist Theol. Sm.) '13; A.M. '16.

Anderson, Jacob Nelson, *s*, College View, Neb. B.S. (Milton C.) '92; B.D. '01.

Arndt, William Frederick, *s*, Concordia, Mo. Grad. (Concordia C.) '00; Grad. (Concordia Sm.) '03.

Arnot, John Kivett, *s*, *sp*, Musselshell, Mont. A.B. (Indiana U.) '07; Yale Divinity S.; D.B. '16.

Awes, Lief Halfdan, *s*, Minneapolis, Minn. A.B. (Augsburg Sm.) '10; A.M. (U. of North Dakota) '11; D.B. '16.

Baker, Orvie Eustace, *s*, Alton. A.B. (Southwest Baptist C.) '95; D.B. (Newton Theol. Inst.) '11; A.M. '13.

Bartak, Joseph Paul, *s*, *a*, *w*, *sp*, Bohemia. A.B. (Southwestern U.) '12; D.B. (Vanderbilt U.) '14; A.M. '17.

Beck, Frank Orman, *s*, Evanston. A.B. (Indiana U.) '94; A.M. (*ibid.*) '97; S.T.B. (Boston U.) '01.

Bernard, Floyd Erwin, *a*, *w*, *sp*, Chicago. Ph.B. '08; A.M. '10; D.B. '17.

Bigelow, Alton Ezra, *w*, Selma, Cal. A.B. (Shurtleff C.) '04; D.B. '07.

Bovington, David, *a*, Pittsford, N.Y. A.B. (McMaster U.) '99; D.B. (Rochester Theol. Sm.) '08; A.M. '16.

Bradshaw, Emerson Otho, *a*, *w*, *sp*, Marion, Ohio. Ph.B. '10; A.M. '11; D.B. '12.

Brauchitsch, Gustav Adolf von, *s*, *a*, *w*, *sp*, Crete, Neb. Grad. (Concordia C., St. Paul, Minn.) '11; Concordia Sm., St. Louis, Mo., '14 (fel.).

Bretscher, Paul, *s*, River Forest. Grad. (Concordia C., Milwaukee) '12; Grad. (Concordia Sm.) '15.

Buck, Frank Cornelius, *a*, *w*, *sp*, Knoxville. B.S. (Knox C.) '02; A.B. (Texas Christian U.) '07; D.B. (*ibid.*) '07; A.M. '17.

Burns, Harry Foster, *s*, Oshkosh, Wis. D.B. '05.

Caldwell, Jesse Cobb, *s*, Des Moines, Iowa. A.B. (Transylvania C.) '96; B.D. (Yale U.) '03.

Chave, Ernest John, *s*, Vancouver, B.C. B.A. (McMaster U.) '06; B.Th. (*ibid.*) '10.

Cochran, Thomas Everette, *s*, Shepherdsville, Ky. S.B. (Bardstown C.) '05; A.B. (Richmond C.) '11; A.M. '14; D.B. '15.

Crane, Charles Wesley, *a*, *w*, *sp*, Valleyfield, Quebec, Canada. D.B. (McGill U.) '10.

Culley, David Ernest, *s*, Pittsburgh, Pa. B.A. (Washington and Jefferson C.) '01; Dipl. (Western Theological Sm.) '04; Ph.D. (U. of Leipzig) '12.

Degenkolb, Gustave John, *a*, *w*, St. Louis, Mo. Ph.B. (Northwestern C.) '04; Ph.M. (*ibid.*) '06; B.D. (Evangelical Theol. Sm.) '05; A.M. '16.

Donovan, John Lyle, Jr., *s*, Donovan. Ph.B. '10; D.B. '10.

Elliott, John Wesley, Jr., *a*, *w*, *sp*, South Boston, Va. A.B. (Richmond C.) '13; D.B. (Colgate U.) '16; A.M. '17.

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Eusden, Ray Anderson, *s*, Marne, Iowa. A.B. (Grinnell C.) '12; D.B. (Yale U.) '15; A.M. '16.

Everton, Samuel, *s*, *a*, *w*, *sp*, Summerland, B.C., Canada. A.B. (U. of Manitoba) '98; D.B. (Rochester Theol. Sm.) '09; McMaster U., '00–'01; A.M. '16.

Golightly, Thomas Jefferson, *s*, Des Moines, Iowa. A.B. (Transylvania C.) '04; B.D. (Yale S. of Religion) '06; U. of Missouri.

Gribble, Robert Francis, *s*, Austin, Tex. A.B. (Austin C.) '11; U. of Texas, '11–'13; Austin Theol. Sm. '11–'14.

Hardt, August, *s*, Milwaukee, Wis. Grad. (Concordia C., Milwaukee) '12; Concordia Theol. Sm., St. Louis, Mo.

Harkness, Reuben Elmore Ernest, *sp*, Belvidere. A.B. (McMaster U.) '07; A.M. '15; D.B. '17.

Harper, Heber Reece, *s*, Boston, Mass. A.B. (Allegheny C.) '10; S.T.B. (Boston U. School of Theol.) '13.

Harvey, Robert, *s*, Southwick, England. A.B. (McMaster U.) '13; Brandon C; D.B. '16.

Hastings, Daniel Adolphus, *a*, Springfield, Jamaica, B.W.I. A.B. (Butler C.) '13; A.M. '14; D.B. '16.

Hawkins, Oscar Menefee, *s*, *a*, Charleston, Mo. A.B. (Washington U.) '13; D.B. (Emory U.) '16; A.M. '16.

Haydon, Albert Eustace, *a*, *w*, *sp*, Saskatoon, Saskatchewan, Canada. A.B. (McMaster U.) '01; B.Th. (*ibid.*) '03; B.D. (*ibid.*) '06; A.M. (*ibid.*) '07.

Hensel, Leroy Cleveland, *w*, *sp*, Youngstown, Ohio. A.B. (Otterbein U.) '09; Grad. (Western Theol. Sm.) '14.

Hines, Herbert Waldo, *s*, El Paso. A.B. (Harvard U.) '08; A.M. (*ibid.*) '10; D.B. '11.

Hites, Laird Thomas, *s*, *a*, *w*, *sp*, Liberty, Mo. A.B. (William Jewell C.) '15; A.M. '16; D.B. '17 (fel.).

Hoashi, Riichiro, *a*, *w*, *sp*, Futsukaichi, Japan. A.B. (U. of Southern California) '12; A.M. (*ibid.*) '12; D.B. '16.

Hoffmann, Paul John, *a*, *w*, *sp*, Sioux Falls, S.D. A.B. (Sioux Falls C.) '13; Grad. (Rochester Theol. Sm.) '16; A.M. '17.

Holmes, Edmund Meek, *s*, Chicago. A.B. (Simpson C.) '80; B.D. (Garrett Biblical Inst.) '83; A.M. '16.

Irwin, William Andrew, *a*, *w*, *sp*, Markdale, Ontario, Canada. A.B. (Toronto U.) '12; A.M. (Victoria U.) '16; D.B. '17 (fel.).

Iversen, Andreas, *s*, *a*, *w*, *sp*, Chicago. D.B. (Chicago English Lutheran Sm.) '13.

James, Delos Annette, *s*, *a*, Wheat Ridge, Colo. A.B. (U. of Denver) '11; A.M. (*ibid.*) '12; D.B. '16.

Jetton, Robert Lawson, *s*, Austin, Tex. A.B. (Austin C.) '08; B.D. (Austin Presbyterian Theol. Sm.) '11.

Jones, William Henry, *s*, Oshkosh, Wis. A.B. '00; D.B. '03.

Kagawa, Toyohiko, *a*, Kitahonmachi, Kobe, Japan. A.B. (Meiji Gakuin) '09; B.D. (Princeton Theol. Sm.) '16.

Kellogg, Theodore, *sp*, Crystal Lake. A.B. (Johnson Bible C.) '08; D.B. (Chicago Theological Sm.) '15.

Knollin, Fletcher Harrison, *sp*, Rangoon, Burma. B.A. (Bates C.) '04; B.D. (Hartford Theol. Sm.) '06; Th.M. (Crozer Theol. Sm.) '10.

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Kolmos, Jesse Jessen, *w, sp*, Maywood. A.B. (Leander Clark C.) '90; D.B. (Chicago Theol. Sm.) '96.

Kuring, Adolf, *s, a, w, sp*, Chicago. A.B. '12; Grad. (German Theol. Sm., St. Louis).

Latham, Harris Learner, *a*, Oak Park. A.B. (Illinois Wesleyan U.) '98; A.M. (James Millikin U.) '01; D.B. (Cumberland U.) '01; S.T.M. (Hartford Theol. Sm.) '02; A.M. '09.

Liston, Charles Everett, *a, w*, Bloomington. A.B. (Illinois Wesleyan U.) '13; Iliff S. of Theol. '13–'15; B.D. (Drew Theol. Sm.) '16.

Lobingier, John Leslie, *s, a, w, sp*, Santa Monica, Cal. A.B. (New York U.) '05; B.D. (Yale U.) '15; A.M. '16.

Lyon, Willard Crosby, *s*, Valley City, N.D. B.S. (U. of Minnesota) '95; B.D. (Union Theol. Sm.) '98.

McCormack, Ira Glosser, *s*, Oxford, Ohio. Ph.B. (Mount Union C.) '06; A.M. (*ibid.*) '10; B.D. (Drew Theol. Sm.) '10.

McDermott, William Fee, *a*, Chicago. A.B. (Southwestern U.) '09; Grad. (McCormick Theol. Sm.) '15.

MacDougall, William Charles, *s, a, w, sp*, Jubbulpore, India. A.B. (Hiram C.) '02; A.M. '15; D.B. '17.

McGee, Lucius Lee, *a, w, sp*, Chicago. A.B. (Virginia Union C.) '13; B.D. (*ibid.*) '16; Lane College.

McKendry, James Banford, *s*, Mendota. A.B. (McMaster U.) '10; Th.B. (*ibid.*) '12; A.M. '16.

McNeill, John Thomas, *a, w*, Vancouver, B.C., Canada. A.M. (McGill U.) '10; B.D. (Westminster Hall) '12.

McQuary, Rodney L., *s*, Tecumseh, Neb. A.B. (Cotner U.) '13; B.D. (Yale Divinity S.) '16.

Malone, Dumas, *s*, Cuthbert, Ga. A.B. (Emory C.) '10; Vanderbilt U.; B.D. (Yale Divinity S.) '16.

Maynard, John Albert, *s*, New York City. Sc.B. (U. of Paris) '01; Ph.B. (*ibid.*) '06; D.B. (*ibid.*) '09; A.M. '14; Ph.D. '16.

Middleton, Thomas Canady, *w*, Unionville, Mo. A.B. '08; A.M. '10; S.T.B. (Boston U. School of Theol.) '16.

Midkiff, Harry Preston, *s*, Manchester, Iowa. A.B. (Lenox C.) '06; A.M. (Princeton U.) '08; B.D. (Princeton Theol. Sm.) '10.

Moore, Fred A., *sp*, Chicago. A.B. (Tufts C.) '04; B.D. (Brown U.) '06.

Mueller, Theodore Albert, *s, a, w, sp*, Milwaukee, Wis. Grad. (Concordia C.) '10; Grad. (Concordia Sm.) '13; A.M. '15.

Murakami, Seiichi, *s*, Tokyo, Japan. A.B. (DePauw U.) '13; A.M. '16; D.B. '16.

Nixon, Justin Wroe, *s*, Rochester, N.Y. A.B. (Denison U.) '05; Grad. (Rochester Theol. Sm.) '08.

Nowlan, Ivan Seymour, *s, a, w, sp*, Wolfville, N.S., Canada. A.B. (Acadia C.) '10; Th.B. (*ibid.*) '12; A.M. '16.

Perry, Alfred Morris, *a, w, sp*, Hartford, Conn. A.B. (Marietta C.) '10; A.M. (Harvard U.) '12; B.D. (Hartford Theol. Sm.) '16.

Phillips, Charles Melvin, *s, sp*, Liberty, Mo. A.B. (Franklin C.) '00; Southern Baptist Theol. Sm.; B.D. (Crozer Theol. Sm.) '08.

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Pye, Ernest, *w, sp*, Boston, Mass. A.B. (Oberlin C.) '09; D.B. (Oberlin Theol. Sm.) '11.

Reed, Henry Thomas, *s, a*, Greenville, Ky. A.B. (Kentucky Wesleyan C.) '06; D.B. (Vanderbilt U.) '06.

Reeve, James Josiah, *s*, Chicago. A.B. (McMaster U.) '94; Th.B. (*ibid.*) '96; D.B. '98; A.M. '16.

Robbins, Roby Columbus, *s*, Aurora. A.B. (Mendota C.) '04; B.D. (*ibid.*) '06.

Roberts, Percy Vivian, *s*, Yorkville. A.M. (Northwestern U.) '14; S.T.B. (Garrett Biblical Inst.) '13.

Robinson, Elmo Arnold, *s*, Anderson, Ind. B.S. (Massachusetts Inst. of Technology) '09; B.D. (St. Lawrence Sm.) '12; Union Theol. Sm.

Robison, Benjamin Edward, *a*, South Haven, Mich. A.B. '04; B.D. '06; Kalamazoo C.

Rostock, Benjamin Franklin, *s, a, w, sp*, Oregon, Mo. A.B. (Northwestern U.) '10; D.B. (Auburn Theol. Sm.) '16.

Rothney, William Oliver, *sp*, Macdonald College, Quebec. B.A. (Macalester C.) '04; B.D. (Manitoba C.) '05.

Ruff, Robert Hamric, *s*, Moorhead, Miss. A.B. (Millsaps C.) '10; A.M. (*ibid.*) '10; B.D. (Emory U.) '15; Vanderbilt U.

Rugg, Herbert Dean, *a, w, sp*, Oberlin, Ohio. A.B. (Colgate U.) '14; B.D. Colgate Theol. Sm.) '16; A.M. '17.

Satake, Naoshige, *a, w, sp*, Iyo, Japan. B.D. (Doshisha U.) '13; B.D. (Oberlin Theol. Sm.) '15.

Sayles, Ernest Ernshal, *s, a, w, sp*, Brantford, Ontario, Canada. A.B. (McMaster U.) '12; Th.B. (*ibid.*) '14; D.B. '16.

Schafer, Walter Charles, *s*, Wauseon, Ohio. A.B. (Western Reserve U.) '10; B.D. (Oberlin Theol. Sm.) '13.

Scheick, Charles Henry, *sp*, Augusta, Wis. A.B. (Bucknell U.) '05; D.B. '17.

Schermerhorn, William David, *a*, Evanston. A.B. (Kansas Wesleyan U.) '99; S.T.B. (Garrett Biblical Inst.) '04; A.M. '14.

Schwab, Ralph Kendall, *a, w, sp*, Oak Park. A.B. (Northwestern C.) '13; D.B. (Evangelical Theol. Sm.) '15; A.M. '16.

Scott, Stanley, *a, w, sp*, Edmonton, Alberta, Canada. A.B. (Queen's C.) '15; Oxford U. '11–'14; Dipl. (Robertson C., Edmonton) '15; D.B. '17.

Sellers, Ovid Rogers, *a, w, sp*, Lexington, Mo. A.B. '04; D.B. (McCormick Theol. Sm.) '14 (fel.).

Seneker, James Seehorn, *s, w, sp*, Fort Smith, Ark. A.B. (U. of Missouri) '10; B.D. (Vanderbilt U.) '12.

Shelton, William Arthur, *s*, Atlanta, Ga. A.B. (Hargrove C.) '05; D.B. (Yale U.) '08; A.M. (*ibid.*) '08.

Smith, Mart Gary, *s, a*, Batesburg, S.C. A.B. (Texas Christian C.) '06; A.M. (Philip U.) '09; D.B. (Drake U.) '12; A.M. '15; D.B. '16.

Snell, Roy Judson, *s, a, w, sp*, Kingston. A.B. (Wheaton C.) '06; Harvard Divinity School; D.B. (Chicago Theol. Sm.) '16; A.M. '17.

Stafford, LeRoy Hahn, *s, a, w*, North Lima, Ohio. A.B. (U. of Heidelberg) '06; A.M. (Princeton U.) '10; D.B. '13.

Stamm, John Samuel, *s*, Oak Park. Ph.B. (Northwestern C.) '09; Ph.M. (*ibid.*) '10; B.D. (Evangelical Theol. Sm.) '10.

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Stapleford, Frank Neil, *a*, Toronto, Ontario, Canada. A.B. (U. of Toronto) '12; A.M. (*ibid.*) '13; B.D. (Victoria C.) '14.

Stock, Harry Thomas, *a*, *w*, *sp*, Springfield. A.B. (Knox C.) '14; D.B. (Chicago Theol. Sm.) '16; A.M. '17.

Takatani, Jitsutaro, *s*, Tokyo, Japan. Ph.B. (Denison U.) '11; A.M. '12; D.B. '14.

Tilley, William Albert, *a*, *w*, *sp*, Toronto, Ontario, Canada. A.B. (McMaster U.) '10; Th.B. (*ibid.*) '12; A.M. '15.

Ward, Archibald, *s*, Toronto, Ontario, Canada. A.B. (McMaster U.) '10; Th.B. (*ibid.*) '12.

Wearing, Thomas, *a*, *w*, *sp*, Coaticook, Quebec, Canada. A.B. (McMaster U.) '09; Th.B. (*ibid.*) '11; D.B. (*ibid.*) '12; A.M. (*ibid.*) '14.

White, Robert Herman, *s*, North Platte, Neb. A.B. (Nebraska Wesleyan U.) '06; Grad. (McCormick Theol. Sm.) '13.

White, Steuart S., *w*, *sp*, Chicago. A.B. (Johns Hopkins U.) '14; D.B. (Garrett Biblical Inst.) '15.

Whitmer, Paul Emmons, *a*, *w*, *sp*, Goshen, Ind. A.B. (Oberlin C.) '07; D.B. (Oberlin Theol. Sm.) '08; A.M. '17.

Williams, Morgan Leslie, *a*, *w*, *sp*, West Coxsackie, N.Y. B.S. (Union C.) '14; A.M. '16; D.B. '17.

Woodburne, Angus Stewart, *s*, *a*, *w*, *sp*, Oswego. A.B. (McMaster U.) '06; A.M. (*ibid.*) '10; D.B. '17.

II. GRADUATES OF COLLEGES AND UNIVERSITIES

Albertsworth, Edwin Franklin, *s*, Takoma Park, D.C. A.B. (George Washington U.) '15; A.M. (*ibid.*) '16.

Allen, Leroy, *s*, Cedarville, Ohio. Ph.B. (C. of Wooster) '06; Xenia Theol. Sm.

Alspach, Titus Alfred, *s*, Chambersburg, Pa. A.B. (Ursinus C.) '07; A.M. (*ibid.*) '10.

Anderson, Colena Michael, *a*, *w*, *sp*, Buffalo, N.Y. A.B. (Cornell U.) '14; A.M. '17.

Ashcraft, Charles Edgar, *s*, *a*, *w*, *sp*, York, Neb. A.B. (Campbell C.) '04; Bonebrake Theol. Sm.; A.M. '17.

Aston, David Holmes, *s*, Greenville, Tex. B.S. (Mississippi Normal C.) '95; A.M. (East Texas Normal C.) '07; A.M. '16.

Austin, Matthias Darling, *s*, Dyersburg, Tenn. A.B. (Wake Forest C.) '05; Southern Baptist Theol. Sm. '13.

Bachman, Walter Eugene, *s*, Fargo, N.D. S.B. (Drake U.) '14.

Barnes, Clarence Albert, *s*, *a*, *w*, *sp*, Albion, Iowa. A.B. (Monmouth C.) '14.

Barns, Florence Elberta, *w*, Chicago. A.B. '15.

Bartz, Clarence William, *s*, Stevensville, Mich. A.B. (Northwestern U.) '15.

Benjamin, Hermon Reber Sterrett, *s*, Glenville, Neb. A.B. (Grand Island C.) '15.

Bierer, Martin Ellsworth, *s*, Adena, Ohio. A.B (Ohio U.) '15.

Billman, Joseph Emmanuel, *a*, *w*, *sp*, Minneapolis, Minn. (U. of Minnesota) '11–'14; Ph.B. '15; A.M. '17.

Bissinger, Arthur Jacob, *s*, Wapello, Iowa. A.B. (Iowa Wesleyan C.) '11; A.M. '16.

Bivin, George Davis, *s*, Goshen, Ind. A.B. (Clark C.) '09; A.M. (Clark U.) '10; Ph.D. (*ibid.*) '13.

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Black, Floyd Henson, *s*, Chicago. A.B. (Carson and Newman C.) '11; Andover Theol. Sm.; Southern Baptist Theol. Sm.
Blauch, Lloyd E., *s*, Aurora, Ohio. A.B. (Goshen C.) '16.
Boyer, Cheney Kimber, *s*, *a*, Munhall, Pa. A.B. (Bucknell U.) '14.
Brown, Clara McNeil, *s*, Tucson, Ariz. A.B. (U. of Arizona) '12; A.M. '16.
Brumbaugh, Aaron Jas., *s*, Mount Morris. A.B. (Mount Morris C.) '14.
Brunner, Arthur Jacob, *a*, *w*, *sp*, Bonfield. A.B. (Northwestern C.) '16.
Buck, Mina Van Cleave, *w*, Knoxville. B.S. (Knox C.) '01.
Burns, Harry Milton, *s*, Crete. A.B. (Iowa Wesleyan C.) '16; Garrett Biblical Inst. '15–'16.
Call, Lonnie Ray, *s*, *w*, *sp*, Mocksville, N.C. A.B. (Wake Forest C.) '16.
Campbell, John Adam, *s*, Marietta, Pa. A.B. (Franklin and Marshall C.) '09; A.M. (U. of Wisconsin) '13.
Carman, Newton Hanscomb, *a*, *w*, *sp*, Marietta, Ohio. A.B. (Denison U.) '11; Rochester Theol. Sm. '13–'14; A.M. '17.
Carroll, Joseph Cephas, *a*, *w*, *sp*, Red Bank, N.J. A.B. (Virginia Union U.) '16; Ph.B. '17.
Carter, Mabel Roberta, *s*, Nelsonville, Ohio. A.B. (Ohio Wesleyan C.) '07; A.M. (*ibid.*) '08.
Castor, Martha Goodwin, *s*, Berkeley, Cal. B.L. (Olivet C.) '82; A.M. (*ibid.*) '98.
Chapman, Robert Alder, *a*, *w*, *sp*, Alpena, Mich. A.B. (Kalamazoo C.) '16.
Charles, William Byron, *a*, *w*, *sp*, Farber, Mo. A.B. (William Jewell C.) '15.
Church, Francis LeGrand, *s*, New Brighton, Pa. A.B. (U. of Michigan) '00; Newton Theol. Inst.
Clelland, Frank Wesley, *s*, Cameron, Mo. A.B. (Missouri Wesleyan C.) '07; A.M. (Boston U.) '10.
Collins, De Witt Clinton, *w*, *sp*, Lathrop, Mo. A.B. (U. of Missouri) '16; Y.M.C.A. College.
Collins, William Ernest, *s*, *a*, *w*, *sp*, Grayslake. A.B. (U. of Manitoba) '15; A.M. '17.
Conley, Sinclair Bell, *s*, *a*, *w*, *sp*, Burnsville, N.C. A.B. (Wake Forest C.) '07; Rochester Theol. Sm.
Coon, Benjamin Harrison, *a*, Stillman Valley. A.B. (Shurtleff C.) '12; U. of Iowa, '10.
Cooper, Joseph Archibald, *a*, *w*, *sp*, Kansas City, Mo. A.B. (U. of Missouri) '11; William Jewell C.; Rochester Theol. Sm.; A.M. '17.
Corbett, Mary Jane, *s*, North Adams, Mich. A.B. (Hillsdale C.) '02; A.M. (U. of Michigan) '07.
Coulter, Samuel Henry, *s*, *a*, Hiroshima, Japan. A.B. (Bucknell U.) '14; A.M. '16.
Cox, Clinton Clement, *s*, Chicago. A.B. (Missouri Valley C.) '15.
Crisp, Ernest Rayner, *a*, *w*, Lebanon. A.B. (McKendree C.) '13.
Crowder, Joseph Wade, *s*, Fort Worth, Tex. A.B. (Baylor U.) '11; Southwestern Baptist Theol. Sm.
Cullen, Charles Roy, *a*, *w*, *sp*, Milwaukee, Wis. A.B. (Kalamazoo C.) '16.
Cunningham, Edwin Bowman, *a*, *w*, *sp*, Elmer, Mo. A.B. (Lombard C.) '16.
Daniel, Frieda Opal, *a*, *w*, *sp*, Osceola, Iowa. A.B. (Drake U.) '16.
Davidson, Clara Willoughby, *a*, *w*, *sp*, Pleasantville, Pa. A.B. (Smith C.) '05; A.M. (*ibid.*) '08.

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Dawson, Carl Addington, *a*, *w*, *sp*, Central Bedeque, P.E.I., Canada. A.B. (Acadia C.) '12.

Deckard, Walter William, *s*, Georgiaville, R.I. A.M. (Brown U.) '05. Hillsdale C.; U. of Nebraska.

Dickson, Bruce Wesley, *s*, Jonesboro, Tenn. A.B. (Carson and Newman C.) '06; A.M. (U. of Arkansas) '12; Yale U., '09–'10; A.M. '16.

Domm, Edward Ezra, *s*, Naperville. A.B. (Naperville C.) '08; Evangelical Theol. Sm., Naperville.

Duncan, Mattie, *s*, Bentonville, Ark. Ph.B. '12.

Dunham, Herbert Lester, *a*, *w*, *sp*, Early, Iowa. A.B. (Morningside C.) '15; Y.M.C.A. College.

Dunnington, Lewis LeRoy, *w*, *sp*, Kalamazoo, Mich. A.B. (Kalamazoo C.) '15; A.M. '16.

Edwards, Lyford Paterson, *s*, *a*, *w*, *sp*, Grand Rapids, Mich. A.B. '05; Western Theol. Sm.; Northwestern U.; A.M. '17.

Elder, Frank Ray, *sp*, Chicago. A.B. (Monmouth C.) '06; M.A. (Princeton U.) '11; Princeton Theol. Sm. '08–'11.

Ericson, Elmer Albin, *a*, *w*, *sp*, Clyde, Kan. A.B. (Bethany C.) '16; B.E. (*ibid.*) '16; Y.M.C.A. College.

Fahringer, Frederick Harrison, *a*, *w*, *sp*, Sunbury, Pa. A.B. (Bucknell U.) '15; Crozer Theol. Sm.

Fillmore, Annie Louise, *s*, Norwood, Ohio. A.B. (U. of Cincinnati) '15; College of Missions, Indianapolis.

Finney, Harry Glenn, *s*, Hamilton, Ohio. A.B. (Wooster C.) '02; A.M. (Princeton U.) '04.

Finstrom, Ernest August, *s*, Cadillac, Mich. Ph.B. '16; Southern Baptist Theol. Sm.

Flemming, David, *s*, Dauphin, Manitoba, Canada. A.B. (Queen's C.) '87.

Fox, Gresham George, *s*, Fort Worth, Tex. Ph.B., '04; A.M. '14; Ph.D. (Illinois Wesleyan U.) '12.

Frank, Elsie Margaret, *s*, *sp*, Columbus, Ohio. S.B. (Ohio State U.) '14; Columbus Normal S.

Freimark, Ernest Christian, *s*, Martin, Ohio. Ph.B. '10.

Garrison, John Lee, *s*, *a*, Chicago. Ph.B. '14.

Gay, Arthur Royall, *s*, *sp*, Youngsville, N.C. A.B. (Wake Forest C.) '15.

George, Arthur Benjamin, *a*, Newberg, Ore. A.B. (Grinnell C.) '14; A.B. (Pacific C.) '13.

George, Edwin Francis, *s*, Naperville. A.B. (Northwestern C.) '08; McCormick Theol. Sm. '13–'14; Evangelical Theol. Sm. '14–'16.

Gessel, Leo Lanceing, *a*, *w*, *sp*, Beatrice, Neb. A.B. (Grinnell C.) '16; Y.M.C.A. College.

Gibson, Helen Viola, *s*, Chicago. Ph.B. '13.

Gilbert, Hervey F., *w*, *sp*, Freeport. A.B. (Shurtleff C.) '10; Rochester Theol. Sm. '13.

Gordon, Wilfred Ernest, *s*, *a*, *sp*, Bina, India. Ph.B. '17.

Greyverstein, Jan Hendrik Jacobus, *sp*, Rhodes, S. Africa. Ph.B. '17.

Gup, Samuel Marcus, *s*, Mobile, Ala. A.B. (U. of Cincinnati) '14; A.M. (*ibid.*) '15; B.H. (Hebrew Union C.) '12.

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Harbeson, John Wesley, *s*, Chicago. A.B. (U. of Kansas) '11; Columbia U., Union Theol. Sm.

Hardman, John Theron, *s*, *a*, *w*, *sp*, Polo, Mo. A.B. (Central C.) '15; A.M. '16.

Harper, Ernest Bouldin, *a*, *w*, *sp*, Danville, Va. A.B. (U. of Virginia) '10; A.M. (*ibid.*) '16.

Haw, John Alfred, *s*, Souris, Manitoba, Canada. A.B. (Manitoba U.) '97; Wesley C.

Haynes, George Emerson, *sp*, Buffalo, N.Y. B.A. (Williams C.) '14.

Heemstra, Jacob, *a*, *w*, Chicago. A.B. (Hope C.) '10; Princeton U.; Western Theol. Sm.

Hirschler, John Christian, *a*, *w*, *sp*, Utica, Kan. A.B. (Drake U.) '16.

Hishikawa, Seiichi, *a*, *w*, *sp*, Osaka, Japan. A.B. (Washington U., Seattle) '14.

Hobgood, Henry Clay, *s*, Madisonville, Ky. A.B. (Transylvania C.) '12; College of Missions; Butler C.

Hoff, John Henry, *s*, *a*, *w*, *sp*, St. Clair, Mo. A.B. (William Jewell C.) '13.

Hogon, Luther Rice, *s*, Rome, Ga. A.B. (Mercer U.) '94.

Hohenstein, Walter Ernest, *s*, Bloomington. Grad. (Concordia C.) '12; Concordia Sm.

Holland, Daisy Pearce, *s*, Cedar Falls, Iowa. B.S. (Northwestern U.) '05.

Holroyd, Ben Edgar, *s*, Steubenville, Ohio. A.B. (Hiram C.) '13; College of Missions.

Hoppe, Louis Edouard, *w*, *sp*, North Chattanooga, Tenn. A.B. (U. of Chattanooga) '14; Carson and Newman C.

Howell, Albert Edward, *a*, *w*, *sp*, Corvallis, Ore. A.B. (Oberlin C.) '13; Westminster C., Denver.

Howell, Bernice Garlock (Mrs. A. E.), *w*, *sp*, Chicago. A.B. (Oberlin C.) '13; Oregon Agricultural C.

Hutton, William Ralph, *a*, *w*, *sp*, Winfield, Kan. A.B. (Southwestern U.) '12; Crozer Theol. Sm.

Huxford, Walter Franklin, *s*, Big Rock. A.B. (Central U. of Iowa) '13.

Imhof, John Lee, *s*, *a*, *w*, Waterloo, Ind. A.B. (Tri-State C.) '07; A.B. (Drake U.) '10; A.M. '15.

Inglis, Scarth, *s*, Dryden, Mich. A.B. (Olivet C.) '14.

Jackson, Clyo, *s*, Edmonton, Alberta, Canada. A.B. (U. of Toronto) '05; A.M. (Victoria C.) '09 (fel.).

James, John Cullen, *s*, Greensboro, Ala. A.B. (Southern U.) '00; Vanderbilt U.

Jeffery, Mary Pauline, *a*, *w*, *sp*, Madura, South India. A.B. (Oberlin C.) '16; A.M. '17.

Jenkins, Finley DuBois, *s*, Omaha, Neb. A.B. (Wooster C.) '16.

Jennings, Frank, *a*, Bronson, Kan. A.B. (Ottawa U.) '12; A.M. '16.

Jensen, Howard Eikenberry, *s*, Herington, Kan. A.B. (U. of Kansas) '14; A.M. (*ibid.*) '15.

Jessop, Henry A., *a*, *w*, Detroit, Mich. B.S. (Michigan Agricultural C.) '16.

Johnson, Iver Magni, *s*, Chicago. A.B. (Northwestern U.) '12; Garrett Biblical Inst.; U. of Jena.

Johnson, Thomas Neil, *s*, Tokyo, Japan. A.M. (Wake Forest C.) '98; Newton Theol. Inst.

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Jongewaard, Conrad, *a*, *w*, Sioux Center, Iowa. A.B. (Hope C.) '14; Y.M.C.A. College.

Jorgensen, Arthur, *sp*, Madison, Wis. A.B. (U. of Nebraska) '08.

Kearns, Raymond Viles, *s*, Oswego. A.B. (Bellevue C.) '11; McCormick Theol. Sm.

Kelhofer, Ernest, *s*, Shanghai, China. A.B. (Northwestern C.) '03; Ph.B. (*ibid.*) '03; A.M. '16.

Kellogg, Nettie Ritzenthaler, *sp*, Crystal Lake. Ph.B. (Hiram C.) '04; Oberlin C.

Kidwell, Lola May, *sp*, Chicago. A.B. (Ohio Wesleyan U.) '93; A.M. '10.

Kilgour, Hugh Bryans, *s*, Toronto, Canada. A.B. (McMaster U.) '13.

Kimmel, Gustav Bernard, *s*, Naperville. A.B. (Northwestern C.) '97; Evangelical Theol. Sm.

Kincheloe, Samuel Clarence, *a*, *w*, *sp*, Georgetown, Ohio. A.B. (Drake U.) '16.

Kirn, George John, *s*, Naperville. B.S. (Northwestern C.) '86; A.M. (*ibid.*) '95; Ph.D. (Illinois Wesleyan U.) '97.

Krueger, Amy Ella, *s*, Charles City, Iowa. A.B. (Charles City C.) '09.

Kuhlmann, August, *s*, Hubbard, Iowa. B.S. (Northwestern C.) '16.

Lattin, Cyrus John, *s*, Cawker City, Kan. A.B. (C. of Emporia) '05.

Lawrence, Glenford Walter, *s*, *a*, *w*, *sp*, Dodge City, Kan. A.B. (C. of Emporia) '11; McCormick Theol. Sm.; Union Theol. Sm.

Leach, Henry Philip Dutson, *a*, *w*, *sp*, Gloucester, England. S.B. (Drake U.) '16; A.M. '17.

Leach, Hilma Janet (Mrs. H. P.), *a*, *w*, Harcourt, Iowa. S.B. (Drake U.) '14.

Lee, Edwin Ferdinand, *s*, Rockford, Iowa. B.Sc. (Northwestern U.) '09.

Lee, Frank William, *s*, Chicago. A.B. (C. of the City of New York) '04; Union Theol. Sm.

Leibert, Julius, *s*, South Bend, Ind. A.B. (U. of Cincinnati) '15; Hebrew Union C.

Leiser, Joseph, *s*, Joplin, Mo. A.B. '95.

Lemon, Robert Clayton, *s*, Sandusky, Ohio. A.B. (Transylvania C.) '14; Ohio State U.

Lewis, George Henry, *s*, Chicago. A.B. (Ripon C.) '11; Andover Theol. Sm. '14; Columbia U.

Lewis, Joseph Elwood, *a*, *w*, *sp*, Quincy. A.B. (William Jewell C.)'15. Newton Theol. Inst., '15–'16.

Li, Jung Fang, *s*, Peking, China. A.B. (Peking U.) '12; A.M. (*ibid.*) '13.

Linfield, Harry-Sebee, *s*, Fort Scott, Kan. Rabbi (Jewish Orthodox Theol. Sm., New York) '09.

Listrom, Joy Alfred, *a*, *w*, *sp*, Parkville, Mo. A.B. (Park C.) '15; Y.M.C.A. College.

Lockwood, Walter Thomas, *a*, *w*, Dundee. A.B. (Hillsdale C.) '10; A.M. '17.

Loose, Clarence David, *s*, Washington, Iowa. A.B. (Northwestern C.) '10.

Lyons, Austin Wesley, *s*, Niles, Mich. A.B. (U. of Denver) '10; A.M. (*ibid.*) '12.

McDill, James Atwell, *a*, *w*, *sp*, Oberlin, Ohio. A.B. (Oberlin C.) '16.

McFarland, James Freeman, *s*, *a*, *w*, *sp*, Parkville, Mo. A.B. (Park C.) '13; A.M. '17.

McGregor, Daniel Arthur, *a*, Ottawa, Ontario, Canada. A.B. (McMaster U.) '05; A.M. (*ibid.*) '07.

MacKay, Henry Joseph, *s*, Vancouver, B.C., Canada. McGill U.; Princeton Theol. Sm.

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McKnight, Thomas Copeland, *s, a, w,* Chicago. A.B. (Amity C.) '08; Reformed Presbyterian Theol. Sm.

Mantta, Jacob, *a, w, sp,* Minneapolis, Minn. A.B. (Suomi C., Michigan) '07; A.B. (U. of Minnesota) '16.

Markowitz, Samuel Harrison, *a, w, sp,* Pottstown, Pa. A.B. (Bucknell C.) '14; A.M. '17.

Martin, Alice Sarah, *s,* Chicago. Ph.B. '07; Ph.M. '09.

Mathys, Clifford George, *s,* Arcadia, Wis. A.B. (Northwestern C.) '15.

Mattill, Andrew Jacob, *a, w,* St. Joseph, Mo. B.Sc. (Northwestern C.) '10.

Mayer, Otto, *a, w, sp,* Niles Center. Ph.B. '16; A.M. '17.

Merrill, Bertha Letitia, *s, a,* Watseka. A.B. (Eureka C.) '15; A.M. '16.

Meyer, Harry Louis, *s,* Indianapolis, Ind. A.B. (Northwestern C.) '15.

Meyer, John H., Jr., *a,* Parkville, Mo. A.B. (Park C.) '16.

Miller, Ervin Moore, *a, w, sp,* Bingham, Me. A.B. (Colby C.) '16.

Miller, Harry Harrison, *w,* Tobias, Neb. A.B. (Ottawa U.) '16; Grand Island C.; Denver U.

Mitchell, Cyprus Richard, *w, sp,* North Carlton, Australia. A.B. (Eureka C.) '11; A.M. (U. of Missouri) '14.

Mitchell, John Hendrix, *s, a,* Indianola, Miss. A.B. (Millsaps C.) '14; U. of Mississippi.

Miwa, Suchiko, *s,* Kumamoto, Japan. A.B. (Waseda U., Japan) '10; A.B. (Leland Stanford Junior U.) '15; A.M. '16.

Money, Mrs. Carrie Ellen, *s,* Sherburn, Minn. A.B. (Cornell C.) '12; M.Ped. (Teachers College, Colorado) '09.

Morgan, Albert Johnson, *s,* McMinnville, Tenn. A.B. (Vanderbilt U.) '03.

Morris, Ernest J., *w,* Chicago. Ph.B. '15.

Muntz, William Jennings, *s, a, w, sp,* Garrison, Neb. A.B. (Nebraska Wesleyan U.) '14; Y.M.C.A. College '15–'16.

Murphy, Elam Turner, *s,* Chicago. A.B. (Wabash C.) '99; A.M. (Indiana U.) '02.

Nelson, Karl Magnus, *sp,* Chicago. S.B. '17.

Newgard, Joseph Matthew, *s,* Zwingle, Iowa. A.B. (Franklin and Marshall C.) '08.

Norton, Hal Earl, *s,* Sandwich. A.B. (Central C.) '14; Des Moines C.

Oberhelman, Harry Alvin, *a, w, sp,* Randolph, Kan. S.B. (Northwestern C.) '16.

Orvis, Susan Wealthy, *s,* Dubuque, Iowa. Ph.B. (Iowa C.) '00; Chicago Theol. Sm. '09; A.M. '15.

Ostergren, James Blaine, *s, a, w,* St. Paul, Minn. A.B. (U. of Minnesota) '16.

Page, James Franklin, *s, a, w,* Clarksville, Mo. Ph.B. '16; A.M. '17.

Patterson, Frances Bates, *s, a, sp,* Chicago. A.B. (Knox C.) '96.

Piper, Merle Lorenzo, *a, w, sp,* Parkville, Mo. A.B. (Park C.) '15. Y.M.C.A. College.

Radley, Arthur James, *s,* Bremen, Ind. A.B. (McMaster U.) '14.

Ratcliff, John Moses, *a,* Greenup. Ph.B. '16.

Raup, Robert Bruce, *s,* Springfield, Ohio. A.B. (Wittenberg U.) '09; McCormick Theol. Sm.

Ray, Edward Beecher, *s, w,* Chicago. A.B. (U. of North Carolina) '03; A.M. (Harvard U.) '06.

Rearick, Clarice H., *a, w,* Chicago. A.B. (Knox C.) '04; Chicago Training S.

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Rickman, Charles Hulbert, *s*, Goleta, Cal. A.B. (Des Moines U.) '16; U. of Redlands.

Ritchey, Charles James, *sp*, *s*, *a*, *w*, Mount Sterling. A.B. (Drake U.) '10; A.M. (*ibid.*) '11; A.M. (Yale U.) '13 (fel.).

Roberts, John Irving, *a*, *w*, Trenton, Mo. A.B. (Drake U.) '16.

Roberts, John William, *s*, *a*, *w*, *sp*, Burlington, Wis. A.B. (Harvard U.) '91; A.M. (*ibid.*) '92; Colgate U. '86–'90.

Roberts, Seldon L., *s*, Franklin, Ind. A.B. (Franklin C.) '02.

Robertson, Clarence Hovey, *s*, *a*, *w*, New York, N.Y. B.Sc. (South Dakota State U.) '93; B.M.E. (Purdue U.) '95; M.E. (*ibid.*) '97.

Robinson, Charles Edward, *s*, Joplin, Mo. A.B. (U. of Missouri) '07; A.M. (*ibid.*) '07.

Rogers, Jesse Mercer, *s*, Dathan, Ala. A.B. (Howard C.) '10; A.M. (*ibid.*) '11; Southern Baptist Theol. Sm.

Rogers, Nathan Orvey, *a*, *w*, *sp*, St. Joseph, Mo. A.B. (Drake U.) '16; A.M. '17.

Roosa, William V., *a*, *w*, Astoria. A.B. (Drake U.) '15; A.M. '16.

Rosenbaum, David, *s*, Austin, Tex. Ph.B. '06; A.M. '13; Hebrew Union C.

Rowland, Gladys Martin, *a*, Brocton, N.Y. B.S. (Kalamazoo C.) '14.

Rowland, Leon Edward, *a*, *w*, *sp*, Brocton, N.Y. A.B. (Kalamazoo C.) '14.

Rust, Henry Lubbers, *a*, Sheffield, Iowa. A.B. (Des Moines C.) '14; A.M. '16.

Segel, Alexander, *s*, Cincinnati, Ohio. A.B. (U. of Cincinnati) '16; Hebrew Union C.

Seitner, Reuben Harvey, *a*, *w*, *sp*, Logansport, Ind. A.B. (Franklin C.) '16.

Shanks, James Robinson, *a*, *w*, Richview. A.B. (Shurtleff C.) '15; Newton Theol. Inst.

Sharratt, William Bert, *a*, West Lorne, Ontario, Canada. A.B. (Bethany C.) '15.

Sherrick, Marvin Manam, *s*, Mount Morris. A.B. (Coe C.) '96.

Sibbald, Garth Eleazer Williams, *s*, Chicago. A.B. (U. of Colorado) '14; Western Theol. Sm.

Silverthorne, Richard H., *a*, Kokomo, Ind. B.S. (Purdue U.) '15; Y.M.C.A. College.

Sims, David Henry, *s*, Atlanta, Ga. A.B. (Oberlin C.) '09.

Sims, Paul Wilfred, *s*, *a*, *w*, *sp*, Chicago. Ph.B. '12; A.M. '14.

Sinclair, Clara, *s*, *w*, *sp*, Ashland. A.B. (U. of Illinois) '12; DePauw U.; Illinois State Normal S.; A.M. '17.

Sisson, Oliver Hardwicke, *s*, Tama, Iowa. Ph.B. (Central C.) '12; Drake U.; Leander Clark C.

Smiley, William Allen, *w*, Grinnell, Iowa. B.S. (Grinnell C.) '16.

Smith, Albert Edward, *s*, *a*, *w*, College View, Neb. A.B. (Union C.) '08.

Smith, Theodore Fristo, *a*, *w*, *sp*, St. Joseph, Mo. A.B. (U. of Missouri) '15; Y.M.C.A. College.

Solandt, Andrew Walter, *a*, *w*, *sp*, Wahoo, Neb. A.B. (Washburn C.) '13; A.M. '14.

Starr, Merritt Paul, *w*, Winnetka. A.B. (Harvard U.) '16.

Stauffer, Clarence Roy, *s*, Norwood, Ohio. A.B. (Eureka C.) '06; Auburn Theol. Sm. '09–'10; Syracuse U. '11–'12.

Stewart, Carroll, *w*, *sp*, Ironton, Ohio. A.B. (U. of Ohio) '13; Iliff S. of Theol.

Stivender, James Calvin, *s*, Akron, Ala. A.B. (Howard C.) '13; A.M. '15.

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Stubbs, John Festus, *w, sp*, Americus, Kan. A.B. (Drake U.) '14; Kansas State Normal S.; A.M. '16.

Stubbs, Mary M. (Mrs. J. F.), *w, sp*, Americus, Kan. Ph.B. (Drake U.) '14.

Swaney, Bertram Garfield, *s*, Chicago. A.B. (Northwestern U.) '08; A.M. '09.

Tait, Leo Leslie, *s, a, w, sp*, Mercer, Pa. A.B. (Grove City C.) '11; Western Theol. Sm.; U. of Glasgow.

Thompson, Pierce McNeil, *s*, Albany, Ga. A.B. (Atlanta U.) '06; A.B. '07; New York S. of Philanthropy.

Thompson, Seal (Miss), *s*, Wellesley, Mass. Ph.B. '14.

Tiede, Otto J., *s*, Redfield, S.D. Ph.B. '13; Redfield C.

Travis, Harvey Curl, *a, w, sp*, Hamburg, Iowa. A.B. (Northwestern U.) '16; Garrett Biblical Inst.; A.M. '17.

Trusty, Clay, *s*, Indianapolis, Ind. A.M. (Butler C.) '10.

Uesugi, Sumio, *s, a, w, sp*, Tokyo, Japan. A.B. (Denison U.) '12; A.M. '16.

Urch, Erwin Joshua, *a, w, sp*, Wattsburg, Pa. A.B. (Grove City C.) '15; Crozer Theol. Sm.; A.M. '17.

Valentine, William Orison, *s*, Iloilo, P.I. A.B. (Valparaiso U.) '15; Colgate Divinity S.; A.M. '16.

Velte, Louis James, *a, w, sp*, Philadelphia, Pa. A.B. (Bucknell U.) '10; U. of Pennsylvania; Crozer Theol. Sm.; U. of Wyoming.

Vermilya, Charles Enos, *s*, Valley City, N.D. A.B. (Boston U.) '99.

Wade, Elbert Staughton, *a, w, sp*, Colorado Springs, Colo. A.B. (Colorado C.) '15.

Watkins, Wilson P., *a, w, sp*, New Castle, Ky. A.B. (Kentucky Wesleyan C.) '10; B.A.S. (Y.M.C.A. College) '11; A.M. '17.

Weihe, Wesley Huegely, *a*, Nashville. A.B. (Central Wesleyan C.) '14; Y.M.C.A. College.

Weis, Max, *s*, Homestead, Pa. A.B. (U. of Cincinnati) '15; Hebrew Union C.

Wente, Walter Hermann, *s*, Winfield, Kan. A.B. (Northwestern C.) '11; Concordia Theol. Sm.

White, John Bowman, *s*, Jonesboro, Tenn. A.B. (Mount Morris C.) '13; A.M. '16.

Wilkins, James, *s*, London, Ontario, Canada. A.B. (U. of Montana) '11; Wesley C. '11–'12.

Willett, Herbert L., Jr., *a, w*, Chicago. A.B. '11.

Williams, Waldemar E., *a, w*, New Hamburg, Ontario, Canada. A.B. (Northwestern C.) '15; A.M. '17.

Wilson, Gold Refined, *s*, Hickory, Va. A.B. '14; A.M. '16.

Witte, Wilbert Lee, *s*, Cottage Grove, Wis. A.B. (Northwestern C.) '16.

Wolfe, James Earnest, *a, w, sp*, Whiting, Ind. Ph.B. '14; A.M. '15.

Woodward, Comer McDonald, *s, a, w, sp*, Fort Worth, Tex. A.B. (Emory C.) '00; A.M. '16 (fel.).

Works, Una Lealin, *a, w, sp*, Brownsville, Tex. A.B. (Southwestern U.) '06; Scarritt Bible and Training S.; A.M. '17.

Zaugg, Elmer Harry, *s*, Sendai, Japan. A.B. (U. of Heidelberg) '03; Heidelberg Theol. Sm. '06; Ph.D. '16.

Zbitovsky, Edward, *s, a, w, sp*, Silver Lake, Minn. Dubuque C.; Ph.B. '15; A.M. '16.

MEN—313 WOMEN—32 TOTAL—345

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THE UNCLASSIFIED DIVINITY STUDENTS

Alexander, William Benton, *sp*, Toledo, O. B.A. (Hiram C.) '07.
Brooks, Robert William, *a*, *w*, *sp*, Chicago. A.B. (Fisk U.) '16.
Burk, Julius Henry, *sp*, Chicago. Rochester Theol. Sm. '13–'14; Y.M.C.A. College '15–'17.
Campbell, George Calvin, *s*, *a*, *w*, *sp*, Chicago. Hiram C. '92–'93.
Carstens, John Henry, *s*, LaGrange. Kalamazoo C.
Claybaugh, Harry Addison, *a*, *w*, *sp*, Chicago. Bethany Bible S. '10–'16.
Coleman, Charles Haven, *sp*, Abingdon. A.B. (Hedding C.) '17; Y.M.C.A. College.
Crane, Lillian A. (Mrs. C. W.), *w*, *sp*, Chicago. Albert College, Belleville, Canada.
Dawson, Mary Alice (Mrs. C. A.), *a*, *sp*, Point de Bute, N.B., Canada. New Brunswick Normal S.
Douglas, Bruce Hutchinson, *sp*, Whittier, Cal. A.B. (Whittier C.) '15.
Driskill, Thomas Newton, *a*, Dawson, Ala.
Epps, Leila Flossie, *w*, Kingstree, S. C. A.B. (Leesville C.) '04.
Garrison, Mattie Andes, *a*, Chicago. McPherson C. '01–'03.
Geen, William John, *a*, *w*, Belvidere.
Gordon, Ada McNeil (Mrs. W. E.), *a*, *w*, Jhansi, India. M.D. (Drake U.) '97.
Green, John Frederick Carl, *a*, *w*, *sp*, Alton. Ph.B. (Shurtleff C.) '16.
Ham, John Wiley, *w*, Atlanta, Ga. Mercer U.; Moody Bible Inst.
Higgins, William Henry, *sp*, Chicago. A.B. (Walden U., Nashville, Tenn.) '07.
Hoff, Lucille (Mrs. J. H.), *s*, *sp*, Maywood.
Horne, Edward Vernon, *a*, *w*, *sp*, Greenville, Tex. Baylor U. '15; Newton Theol. Inst.
Huston, Rosetta Agnes, *w*, Elmo, Mo. B.P. (Amity C.) '10.
Jackson, Carrie Una, *w*, Arlington, Ky.
Jensen, Blanche Eldora Kennel, *s*, *a*, Herington, Kan. Kansas State Normal S. '09–'10; U. of Kansas '14.
Johnson, William Brownlaw, *s*, *a*, Smyrna, Ga. Mercer U.; Ottawa U.
Kelford, Ernest Albert, *a*, *w*, Chicago.
Lane, Frayser Titus, *a*, *w*, *sp*, Memphis, Tenn. A.B. (Morehouse C.) '16.
Long, Otho Ernest, *a*, Crewe, Va. U. of Virginia.
Macdougall, Annie Lackey (Mrs. W. C.), *a*, *sp*, Jubbulpore, India. U. of Arkansas '95–'98.
Martin, Anna Augusta, *a*, *w*, *sp*, Chicago.
Martin, Ethel Roxy, *sp*, Xenia, Ohio. A.B. (Muskingum C.) '01.
Mulvey, Arthur Bromley, *a*, *w*, *sp*, Chicago. LL.B. (Lake Forest C.) '96; Harvard Law S.
Murray, Thomas Milton, *s*, *a*, *w*, Chicago.
Reagan, Daniel, *s*, *a*, *w*, *sp*, Dow City, Iowa. A.B. (Cedar Valley Sm.) '88; Des Moines C. '92–'93.
Robison, Alice Balch (Mrs. B. E.), *a*, South Haven, Mich.
Ross, Emory, *sp*, Eureka. A.B. (Eureka C.) '08.
Sawahata, Chuzo, *a*, Mitto, Japan. Seigakuin Sm. '12; Los Angeles Bible Inst. '13–'14.

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Simon, William, *a, w, sp*, Parcperdue, La. A.B. (Howard U.) '15; Virginia Union U. '11–'13.
Slabaugh, Warren William, *s, a, w*, Chicago. Bethany Bible S. '10–'14.
Williams, Lacey Kirk, *a*, Chicago. A.B. (Arkansas Baptist C.) '13; Th.B. (Bishop C., Marshall, Tex.) '05.
Wolford, Harley H., *w, sp*, Elkhart, Ind. A.B. (Ashland C.) '11.

MEN—27 WOMEN—13 TOTAL—40

THE ENGLISH THEOLOGICAL SEMINARY

SUMMER STUDENTS

Abbott, Thomas Augustus, *s*, Cape Girardeau, Mo. A.B. (Missouri State Normal S.) '15; Southern Methodist U.
Anderson, Emma Thompson, *s*, College View, Neb.
Arnot, Leora (Mrs. J. K.), *s*, Musselshell, Mont. Wisconsin State Normal '08.
Ashworth, George Hilary, *s*, Sycamore.
Barton, Louis Samuel, *s*, Tulsa, Okla. U. of Texas; Vanderbilt U.
Beckett, Bessie Emily, *s*, Tipton, Ind. Butler C.; C. of Missions.
Berkowitz, Henry Joseph, *s*, Cincinnati, Ohio. U. of Cincinnati '12–'16.
Bjornsson, Gunnlögur, *s*, Meadville, Pa. Meadville Theol. S.
Blair, William Irvine, *s*, Leeston, New Zealand. McCormick Theol. Sm.
Bledsoe, Edna Thompson (Mrs. E.), *s*, Temple, Tex. Ph.B. (Grayson C.) '98.
Bledsoe, Elijah, *s*, Temple, Tex. Transylvania U.; Columbia C., Kentucky.
Blosser, Marion Elmer, *s*, Apple Creek, Ohio. Hamline U.; Ohio State U.; Western Theol. Sm.
Booth-Clibborn, John Eric, *s*, Chicago. Kent C., England; Southern Baptist Theol. Sm.
Bosold, Franz G. C. A., *s*, Mokena. Eden C. '90.
Bosold, Julius Franciscus, *s*, Mokena.
Briles, Maggie Cox, *s*, Stillwater, Okla. Sam Houston State Normal S.
Brockhaus, Paul, *s*, Oaklawn.
Brown, Arthur Thomas, *s*, Meadville, Pa. Carleton C. '07–'08; Meadville Theol. S.
Brumbaugh, Ruth Sherrick, *s*, Mount Morris.
Burdon, George Parkinson, *s*, Brazil, Ind.
Burke, James Preston, *s*, Bessemer City, N.C.
Burns, Josephine Frances (Mrs. H. F.), *s*, Oshkosh, Wis. Grad. (Missouri State Normal S., Warrensburg) '98.
Carpenter, Barlow G., *s*, Peoria.
Chen, Ding Bing, *s*, Soochow, China. Asbury C.
Cloyd, Elsie, *s*, Williamsburg, Ind.
Cook, William *s*, Oak Park.
Crothers, James Chester, *s*, Baltimore, Md.
Darnell, Luther Melvin, *s*, Columbus, Ohio. Ph.B. (Ewing C.) '09; Shurtleff C.
Dawson, Dana Armstrong, *s*, Okemah, Okla.
Denny, Ludwell Howard, *s*, Meadville, Pa. Meadville Theol. S.
Detweiler, Irvin R., *s*, Goshen, Ind.

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Dorn, William Hugo, *s*, Chicago. Elmhurst C.; D.B. (Chicago Theol. Sm) '93; Denver U.; Washington U., St. Louis.
Ellenwood, Everett Dean, *s*, Elgin.
Evans, D. Luther, *s*, Columbus, Ohio. Ohio U.
Evans, William Fletcher, *s*, Marianna, Ark.
Everham, Marguerite Estelle, *s*, Chicago. M.D. (Hahnemann) '07.
Ferguson, Lawrence Cecil, *s*, Nashotah, Wis. Nashotah Sm. '14–'16.
Freund, Iser, *s*, Cincinnati, Ohio. B.H. (Hebrew Union C.) '16.
Freund, Michael, *s*, Cincinnati, Ohio. Chicago S. of Civics and Philanthropy.
Gold, Albert Reginald, *s*, North Muskegon, Mich. Albert C., Canada.
Gottlieb, Minna S., *s*, Kenosha, Wis.
Greenawalt, Samuel Elmer, *s*, Springfield, Ohio. A.B. (Wittenberg C.) '84; A.M. (*ibid.*) '87.
Griffiths, David Thomas, *s*, Atlanta, Mo. Th.G. (William Jewell C.) '13.
Griffiths, Jennie (Mrs. D. T.), *s*, Atlanta, Mo.
Hartmann, George Edgar, *s*, Cincinnati, Ohio. U. of Cincinnati.
Harvey, George Hamilton, *s*, Chicago.
Hawkins, William Edward, *s*, Fort Worth, Tex. A.B. (Polytechnic C.) '11; Vanderbilt U.
Helvie, Clara Cook, *s*, Meadville, Pa. Emerson C. of Oratory; Meadville Theol. S.
Hemenway, Grace, *s*, Wheetley, Ark. Methodist Training S., Nashville, Tenn.
Hendon, Ira Monroe, *s*, Orange, Tex. Guadalupe C. '89–'90; Iowa Christian C.
Hensey, Andrew Fitch, *s*, Bedford, Ohio. T.V. (C. of Bible) '05; Hiram C.; C. of Missions; Butler C.
Herman, Carl Nathan, *s*, Cincinnati, Ohio. U. of Cincinnati; Hebrew Union C.
Hexter, Betty Miriam, *s*, Cincinnati, Ohio. U. of Cincinnati; Hebrew Union C.
Holloway, William Rupert, *s*, Litchfield. Meadville Theol. S.
Holmes, Luther Latham, *s*, Matawan, N.J. Crozer Theol. Sm.
Holzberg, Julius Moses, *s*, Cincinnati, Ohio.
Hooper, Ella Keener, *s*, Rosedale, La. Louisiana State Normal '05; Scarritt Bible and Training S.
Hottell, Alvin Eugene, *s*, Nickerson, Kan. Ph.B. (Oskaloosa C.) '13; Phillips U. '10, '11.
Howell, Martha Rose, *s*, Indianapolis, Ind. Missionary Training S.
Howlett, Anna Chase, *s*, Syracuse, N.Y.
Huff, Augustus LeRoy, *s*, Benton. A.B. (Eureka C.) '10.
Hunter, Nelson Cleveland, *s*, Angola, Ind. Hillsdale C.; Meadville Theol. S.
Johnson, Daniel Earnest, *s*, Pine Bluff, Ark.
Johnson, James Wilson, *s*, Birmingham, Ala. A.M. (Morgan County C.) '06.
Kumnick, Henry Herman, *s*, Forest Park. A.B. (Concordia Sm.) '11.
Lappin, William Otis, *s*, Wilson, N.C. A.B. (Eureka C.) '11.
Laudman, Solomon, *s*, Cincinnati, Ohio. U. of Cincinnati; Hebrew Union C.
Linton, Clarence, *s*, Dakota City, Neb. Morningside C.; Wayne State Normal.
Littmann, Walter Arnold, *s*, Sheboygan, Wis. Concordia C.
Martin, George Wesley, *s*, Kiowa, Okla.
Matthews, Jewell, *s*, San Angelo, Tex. Grad. (Thorp Spring Christian C.) '13; Texas Christian U.

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Matthews, Phoebe Frances (Mrs. J.), *s*, San Angelo, Tex. Abilene Christian C., Texas; St. Mary C., Dallas, Tex.

Merrill, Melvania Jones, *s*, Los Angeles, Cal.

Minda, Albert Greenberg, *s*, Kansas City, Mo. B.H. (Hebrew Union C.) '14; U. of Cincinnati '14–'16.

Moeller, Leonard Paul, *s*, Waterloo. Buchtel C.; Baldwin-Wallace C.; Meadville Theol. S.

Morphett, Ralph Moore, *s*, Chicago. McCormick Theol. Sm. '08–'10.

Morris, James Henry, *s*, Cordell, Okla. B.Pg. (Valparaiso U.) '03; B.S. (*ibid.*) '09; A.B. (*ibid.*) '09; Th.G. (Southern Baptist Theol. Sm.); Th.B. (*ibid.*) '12.

Moyer, John Frederick, *s*, Freeman, S.D. A.B. (Bethel C.) '15.

Nagaya, Tatsuo, *s*, Tokyo, Japan. Grad. (Western Theol. Sm.) '14.

Olszar, Joseph, *s*, Chicago. Evangelical Lutheran Theol. Sm.

Oosterhuis, Klaas, *s*, Meadville, Pa. Meadville Theol. S.

Peters, Walter Frederic, *s*, Cincinnati, Ohio. U. of Cincinnati '13–'16.

Records, Mrs. Ralph LaFayette, *s*, Lexington, Ky. Franklin C.; C. of Bible, Lexington, Ky.

Renn, Arie Pendleton, *s*, Arcola. A.B. (Oskaloosa C.) '14; B.D. (*ibid.*) '15.

Rice, Nell Aydelotte (Mrs. John A., Jr.), *s*, St. Louis, Mo. Monticello Sm.; U. of Indiana.

Rickert, Harvey Lehman, *s*, Columbiana, Ohio.

Robinson, Essie Forsythe, *s*, Joplin, Mo. B.L. (Christian C., Mo.) '07; U. of Missouri.

Schoenfeldt, Arthur, *s*, Meadville, Pa. Meadville Theol. S.

Scott, William Thomas, *s*, Cushing, Okla. B.S. (Monroe Normal S., Ky.) '98; U. of Oklahoma.

Silliman, Vincent Brown, *s*, Hibbing, Minn. U. of Minnesota; Meadville Theol. S.

Sinninger, Norman E., *s*, Somonauk. Litt.B. (Oskaloosa C.) '11; B.D. (Chicago Theol. Sm.) '12.

Skerball, Jack Harold, *s*, Cincinnati, Ohio. B.H. (Hebrew Union C.) '15; U. of Cincinnati.

Smith, Albert Edward, *s*, Brandon, Manitoba. Wesley C., Winnipeg.

Smith, Edna Schee, *s*, College View, Neb. Union C., Nebraska.

Smith, Emma Falter, *s*, Lincoln, Neb. A.B. (Potter C., Kentucky) '09; Nebraska State Normal.

Smith, James Forsythe, *s*, Miles City, Mont. A.B. (Central U.); Grad. (McCormick Theol. Sm.) '11.

Springer, Nelson Junius, *s*, Indianapolis, Ind. Butler C.; Meadville Theol. S.

Sutton, George Sylvester, *s*, Kansas City, Kan. A.B. (Valparaiso U.) '98; B.S. (*ibid.*) '98; A.B. (Illinois Wesleyan U.) '10.

Taylor, Festus Blackstone, *s*, Murray, Ky.

Thompson, Fred William, *s*, Eau Claire, Wis. Moody Bible Inst.; McCormick Theol. Sm.

Valentine, Cloyd Hampton, *s*, New York, N.Y. Meadville Theol. S.

Ware, Adele, *s*, Hot Springs, Ark. West Tennessee Normal C.

Wintersteen, Roy Brown, *s*, Meadville, Pa. Meadville Theol. S.

MEN—78 WOMEN—25 TOTAL—103

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THE CHICAGO THEOLOGICAL SEMINARY

Benedict, Elmer Wilbur, *a, w sp,* ,Minneapolis, Minn. A.B. (Carleton C.) '15.

Carnes, Elza Augustus, *a, w, sp,* Morral, Ohio. A.B. (Hillsdale C.) '12.

Cooper, Hoyt, *a, w, sp,* Manilla, Iowa. A.B. (Iowa State U.) '13.

Dorf, Alfred Thorkil, *a, w,* Chicago. B.Ph. (U. of Copenhagen) '94; cand. Theol. (*ibid.*) '99.

Fish, Arthur Edward, *a, w, sp,* Huntley. A.B. (Beloit C.) '08.

Flugum, Omar, *a, w, sp,* Stoughton, Wis. A.B. (Beloit C.) '16.

Ford, Frederick Perry, *a, w, sp,* Argo. A.B. (Oberlin C.) '12; Oberlin Theol. Sm.; McCormick Theol. Sm.

George, Arthur Benjamin, *w, sp,* Newberg, Ore. A.B. (Grinnell C.) '14; A.B. (Pacific C.) '13.

Harbeson, John Wesley, *s,* Chicago. A.B. (U. of Kansas) '11; A.M. (Columbia U.) '16.

Herring, John Woodbridge, *a, w,* Cambridge, Mass. A.B. (Oberlin C.) '14.

Hurlburt, Joseph Sage, *s,* Freedom Station, Ohio. A.B. (U. of Denver) '06; A.M. (*ibid.*) '06; S.T.B. (Boston U.) '13.

Inglis, Ervine Peter, *a, w, sp,* Franklin, Neb. A.B. (Grinnell C.) '16.

James, Walter Nicholas, *s,* Wichita, Kan. A.B. (Fairmount C.) '09; Oberlin Theol. Sm.

Matthews, Harold Shepard, *a, w,* Clear Lake, Iowa. A.B. (Grinnell C.) '16.

Meacham, Frank Townsend, *a, w, sp,* Grinnell, Iowa. B.Sc. (Grinnell C.) '13.

Monoi, Tsunegoro, *a, w, sp,* Hokkaido, Japan. A.B. (Waseda U.) '10; Pacific Theol. Sm.; Oberlin Theol. Sm.

Morgan, Caradoc, *w, sp,* Big Rock. A.B. (Fargo C.) '14.

Morgan, John Richmond, *a, w, sp,* Millers, Ind. A.B. (Fargo C.) '13.

Nilson, Paul Emanuel, *s,* Rockford. A.B. (Beloit C.) '11; Hartford Theol. Sm.

Noyce, Ralph Brewster, *a, w, sp,* Crete, Neb. A.B. (Doane C.) '15.

Pence, George Billings, *a, w, sp,* Columbus, Ind. B.S. (Hanover C.) '01; A.M. (*ibid.*) '09; McCormick Theol. Sm.; Marburg U.

Phillips, Edwin Tomkins, *a, w, sp,* Genoa Junction, Wis. A.B. (Northland C.) '14.

Reynolds, Paul Russell, *s, a, w, sp,* Iowa Falls, Iowa. A.B. (Ellsworth C.) '14.

Robinson, Clarence Eugene, *s,* Chicago. B.S. (Lebanon U.) '90.

Schuster, Rudolph Samuel, *a, w, sp,* Chicago. A.B. (Northwestern U.) '12.

Sonquist, David Emanuel, *a, w, sp,* Fargo, N.D. B.S. (North Dakota Agricultural C.) '14; A.M. '17.

Stickney, George Edwin, *a, w, sp,* Fargo. N.D. A.B. (Fargo C.) '14.

Studebaker, Herbert Arthur, *s,* Lancaster, Wis. A.B. (Manchester C.) '12; A.M. (U. of Wisconsin) '13.

Trickey, Benjamin John, *a, w, sp,* Iowa Falls, Iowa. A.B. (Ellsworth C.) '14.

Webber, George W., *s,* Eddyville, Iowa. S.B. (Grinnell C.) '14. Oberlin Theol. Sm.

Zabel, William LeRoy, *a, w, sp,* Area. A.B. (Northwestern C.) '11.

MEN—31 WOMEN—0 TOTAL—31

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THE CHICAGO THEOLOGICAL SEMINARY

UNCLASSIFIED STUDENTS

Bergman, Franklin Herman, *s, a, w, sp,* Chicago. Moody Bible Inst.
Bloom, Gustav, *s,* West Allis, Wis.
Chappell, Edwin Barfield, *a, w, sp,* Nashville, Tenn. Vanderbilt C.; Y.M.C.A. College.
Charters, Thomas, *s, a, w, sp,* Yorkshire, England.
Convis, Lewis Albert, *a, w, sp,* Milwaukee, Wis. Moody Bible Inst.
Cowles, May Kathrina, *s,* Chicago. Congregational Training S.
Dawson, Edwin, *sp,* Chicago. Valparaiso U.
Gates, Aaron Avery, *sp,* Oak Park. A.B. (Oskaloosa C.) '11; D.B. (Chicago Theol. Sm.) '15.
Hoover, Henry Campbell, *s,* Elmhurst. Moody Bible Inst.
Jones, Thomas Llewellyn, *a, w, sp,* Bontddu, Dolgelley, Wales.
Lloyd, William Riley, *a, w, sp,* Oak Park. Northern Illinois State Normal S.
Mercer, Philip, *a, w,* London, England.
Newell, John Thomas, *a,* Roann, Ind. Northwestern C.
Oberlin, Clarence D., *s,* Litchfield, Mich. Hillsdale C.
Olmsted, Nirum Perl, *a, w, sp,* Blue Island. Moody Bible Inst.
Osborn, William M., *a, w, sp,* Chicago. A.B. (Jamestown C.) '13; McCormick Theol. Sm.
Palmer, Clay Ephraim, *a, w, sp,* Spokane, Wash. A.B. (Gonzaga C.) '15; Whitman C. '16.
Peggs, Frederick, *s,* Detroit, Mich.
Roberts, William Albert, *a, w, sp,* Cheyenne, Wyo. Northland C.
Squires, Fred Dann Leicester, *s, a, w,* Wheaton. U. of North Dakota.
Warren, Treverton, *s,* McHenry, N.D.
Wilson, George, *a, w, sp,* Chicago. Albion C., Garrett Biblical Inst.
Wolsted, Clarence Edman, *a, w, sp,* Harmony, Minn. B.S. (North Dakota Agricultural C.) '16.
Yessayan, Vahan Hodge, *a, w, sp,* Chicago.

MEN—23 WOMEN—1 TOTAL—24

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THE LAW SCHOOL

RESIDENT GRADUATES

Ryan, Thomas Francis, *s, a, w, sp,* Chicago. Ph.B. '15; J.D. '17.
Schnebly, Merrill Isaac, *w, sp,* Peoria. A.B. '11; Bradley Polytechnic Inst., 1907–10; J.D. '13.

THIRD-YEAR STUDENTS

Abbott, Frank Prouty, *s,* Goshen, Ind. A.B. (Williams C.) '13.
Aronson, Morris, *a, w, sp,* Chicago. Ph.B. '16.
Arthur, William Reed, *s,* Boulder, Colo. A.B. (Washburn C.) '99; LL.B. (Northwestern U.) '08.
Atkins, Willard Earl, *s,* Chicago. Ph.B. '14; A.M. (Albion C.) '16.
Augustus, Joseph Julian, *s, a, w,* Chicago. Ph.B. '15.
Barancik, Maurice Albert, *s, a, w,* Chicago. Ph.B. '15.
Bart, Carol Spence Prentice, *s, a, w, sp,* Chicago. A.B. (Wellesley C.) '13; A.M. '14.
Bluhm, Maurice Louis, *a, w, sp,* Kendallville, Ind. A.B. (Indiana U.) '13.
Bordé, Harry Joseph, *s,* Santa Monica, Cal. A.B. (Leland Stanford Junior U.) '14.
Brown, Castle Marlatt, *a, w, sp,* Joliet. Ph.B. (Denison U.) '14.
Bruckner, Eugene Everheart, *s,* Augusta, Ga. Lewis Institute, 1904–7.
Burnett, Paul Frank, *a, w, sp,* Jefferson City, Tenn. A.B. (Carson and Newman C.) '12; A.M. (*ibid.*) '13.
Butler, William Pascal, *s,* Indianola, Iowa. A.B. (Simpson C.) '12.
Carson, Newton, *s, a,* St. Joseph, Mo. A.B. (U. of Missouri) '15.
Caskey, Earl James, *s,* Beloit, Wis. A.B. (Beloit C.) '14.
Catron, Fletcher Arthur, *s,* Santa Fe, N.M. Ph.B. '14.
Chang, Chuncin Cuhwei, *a, w, sp,* Fukien, China. A.B. (U. of Michigan) '14; A.M. (Columbia U.) '16.
Chapman, John William, *a, w, sp,* Chicago. Ph.B. '15.
Cheadle, John Begg, *s,* Norman, Okla. A.B. (U. of Kansas) '98; LL.B. (*ibid.*) '02; S.J.D. (Harvard U.) '16.
Chien, Shu Fen, *s,* Canton, China. Graduate (Imperial Tientsin U.) '00; A.B. (George Washington U.) '11.
Clark, Charles Estill, *s, a,* Cannel City, Ky. State U. of Kentucky, 1909.
Cox, J. Earl, *s, a,* Mason, Ohio. A.B. (Ohio Wesleyan U.) '11.
Dallstream, Andrew John, *a, w, sp,* Hoopeston. S.B. (James Millikin U.) '15.
Davis, Horace Sumner, *s,* Missoula, Mont. Ph.B. '15; Montana State C., 1910–12; U. of Montana, 1912–13.
Davis, William Elisha, *a, w, sp,* Polo, Mo. Ph.B. '15.
Delany, Donald Daniel, *s, a,* Chicago. Ph.B. '15.
Dyer, Ezra, *a, w, sp,* Ardmore, Okla. S.B. (Valparaiso U.) '13; Ph.B. '17.
Faxon, Lloyd Anderson, *a, w, sp,* Sandwich. U. of Michigan, 1912–14.
Fekete, Joseph, *s,* Chicago. Lewis Inst., 1911–12; U. of Chicago, 1912–13.

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Flaniken, John Culton, *s, a, w, sp,* Mumford, Tenn. A.B. (Cumberland U.) '12.
Fuller, Floyd Hamilton, *s, a, w,* Girard, Kan.
Geister, Edward Alfred, *s, a, w,* Elgin. L.B. (Northwestern U.) '13.
Gilruth, Irwin Thoburn, *s, a,* Chicago. A.B. (Ohio Wesleyan U.) '10.
Goldberg, Samuel Torgus, *a, w, sp,* St. Joseph, Mo. U. of Missouri, 1912–14.
Graybill, Fay Laughlin, *a, w,* Decatur. Ph.B. '15; U. of Arkansas, 1906–8.
Haleff, Max, *s, a, w, sp,* Chicago. Ph.B. '16.
Hall, Nelson Clarence, *s,* Franklin, Ind. A.B. (Franklin C.) '13.
Hammond, Fletcher Bartlett, Jr., *s, a, w, sp,* Monticello, Utah. Brigham Young C., 1902–3; Iowa State C., 1907–10.
Hansen, Alvin Lawrence, *a, w, sp,* Chicago. Senior.
Harris, Moses Guettelle Columbus, *s, a, w, sp,* Chicago. U. of Chicago, 1910–12.
Hill, Howard Templeton, *s, a, w, sp,* Ames, Iowa. S.B. (Iowa State C.) '10.
Hirsch, Joseph Leo, *a, w,* Hammond, Ind. Ph.B. '15.
Johnson, Albert J, *s, a, w, sp,* De Lamere, N.D. A.B. (U. of North Dakota) '14.
Joranson, Tage, *s, a,* Chicago. A.B. (Augustana C.) '13.
Judson, Clay, *a, w, sp,* Chicago. A.B. (Harvard U.) '14.
Kalis, Samuel Harris, *a, w, sp,* St. Joseph, Mo. U. of Missouri, 1912–14.
Kauffman, Jacob Lorelle, *s,* Chicago. A.B. (U. of Wisconsin) '12.
King, Willard Leroy, *a, w, sp,* Henry. Ph.B. '16; Knox C., 1912–14.
Kosmerl, Francis Sergius, *s, a, w, sp,* Chicago. Graduate (St. Thomas C.) '90; J.C.D. (C. of Prothonotaries, Rome) '08; LL.B. (Northwestern U.) '12; LL.M. (*ibid.*) '16.
Koucky, Joseph Willis, *s, a, w, sp,* Lidgerwood, N.D. A.B. (U. of North Dakota) '14; Ph.B. '16.
Kritzer, John Jacob, *a, w, sp,* Roseville. A.B. (Monmouth C.) '13.
Levinson, Geoffrey, *s, a, w, sp,* Chicago. Ph.B. '15.
Leviton, Samuel Mayer, *s, a, w, sp,* Chicago. Ph.B. '17.
Loepp, David Ferdinand, *s, a, w, sp,* Wagner, S.D. A.B. (Morningside C.) '11.
Lucas, Ralph DeWitt, *a, w, sp,* Galesburg. S.B. (Knox C.) '14.
McCormick, John Vincent, *s,* Chicago. A.B. (U. of Wisconsin) '14.
McIntosh, John, *s,* Oberlin, Ohio. A.B. (Oberlin C.) '11.
McNemar, Leslie Cleveland, *s, a, w, sp,* Chicago. A.B. (Eureka C.) '07; U. of Chicago, 1907–10.
Mapes, Donald Durland, *a, w, sp,* Norfolk, Neb. A.B. (U. of Nebraska) '15.
Mathes, Yorick Durham, *s,* Chicago. U. of Chicago, 1911–12.
May, Rex, *s, a, w, sp,* Stevensville, Mont. A.B. (Ohio Wesleyan U.) '14.
Mayer, Herbert G., *s, a, w,* Chicago. A.B. (Yale U.) '15.
Meek, Thomas Jones, *s, a, w, sp,* Chicago. Ph.B. (U. of Chicago) '04.
Messer, George Michael, *s, a, w, sp,* West Pullman. Graduate (Stevens Point Normal S.) '13.
Moore, John Howard, *s, a, w,* Chicago. A.B. (Westminster C.) '02.
O'Connor, Alfred Lee Joseph, *s, a,* Chicago.
Ogg, James Brooks, *s,* Mount Sterling, Ky. Centre C., 1906–7.
Parker, Leslie Monroe, *a, w,* Evanston. Senior.
Parnass, Emanuel Rabin, *s,* Chicago. Ph.B. '15.
Pavlicek, Charles Borromeo, Jr., *a, w, sp,* Chicago. Ph.B. '17.
Pedott, Sidney, *s. a, w,* Chicago. Ph.B. '15.

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Perry, Elisabeth, *s*, Melvin. Graduate (Illinois State Normal S.) '07.
Plantz, Truman, Jr., *a, w, sp*, Warsaw. S.B. (Knox C.) '14.
Puttkammer, Ernst Wilfred, *a, w, sp*, Chicago. A.B. (Princeton U.) '14.
Reilly, Thomas W., *s*, Sidney, Ohio. A.B. (Miami U.) '13.
Richards, John Lowrie, *s, a, w, sp*, Hebron, Neb. A.B. (U. of Nebraska) '15.
Roberts, William Lewis, *s*, State College, Pa. A.B. (Brown U.) '03; A.M. (Pennsylvania State C.) '15.
Rogers, David Miles, *s, a, w, sp*, Randolph, Neb. A.B. (U. of Nebraska) '12.
Rosenberg, Magnus Block, *a, w, sp*, Chicago. Ph.B. '15.
Ruppelt, Edward Alford, *s, a, w, sp*, Steamboat Rock, Iowa. Senior; Iowa State Teachers' C., 1911–14.
Ryon, Harrison John, *a, w, sp*, Charles City, Iowa. A.B. (Leland Stanford Junior U.) '15; Beloit C., 1911–13.
Sayre, Sydney Lombard, *s, a, w*, Chicago. Ph.B. '16.
Shauer, Edwin Emanuael, *a, w, sp*, Marquette, Mich.
Siefkin, George L., *s, a*, Newton, Kan. Kansas State Agricultural C., 1912–14.
Smart, Thomas Leonidas, *s, a, w*, Carrollton, Mo.
Stains, Tracy Ranger, *s, a, w, sp*, Roswell, N.M. Ph.B. '15.
Stewart, David Wallace, *s, a, w*, Sioux City, Iowa. A.B. (Geneva C.) '11.
Stump, Albert, *a, w, sp*, Cromwell, Ind. A.B. (Indiana U.) '12; Tri-State C., 1907–9.
Swan, Joseph Hugo, *s*, Sioux City, Iowa. Ph.B. '15.
Tan, Chang Lok, *s*, Canton, China. Ph.B. '13.
Tyler, Varro Eugene, *s*, Auburn, Neb. A.B. (U. of Nebraska) '14.
Van Brunt, John H., *s*, St. Joseph, Mo. Cornell U., 1912–13.
Van Hecke, Maurice Taylor, *a, w, sp*, Chicago. Ph.B. '16; Beloit C., 1911–13.
Von Zellen, May Bess, *a, w, sp*, Marquette, Mich. Ph.B. '14.
Wade, Lester Andrew, *s, a, w*, Ogden, Utah.
Walch, Lawrence Arthur, *s, a, w, sp*, Reeder, N.D. S.B. (Valparaiso U.) '13.
Webster, John Fraser, *s, a, w*, Clinton, Okla. George Washington U., 1913–14
Wetterstorm, Arthur Carl, *s, a, w, sp*, Ellison Bay, Wis. Indiana U., 1914.
Williams, Marshall, *a, w, sp*, Winamac, Ind. DePauw U., 1913–14.
Winning, Montgomery Smith, *s, a, w, sp*, Rossville. A.B. (DePauw U.) '13.

SECOND-YEAR STUDENTS

Abbott, Thomas Oscar, *s*, Waldron, Ark. A.B. (U. of Arkansas) '11.
Andrews, Roscoe Crum, *a, w, sp*, Mattoon. A.B. (U. of Illinois) '16.
Bennitt, Dorman Tallett, *a, w, sp*, Joliet. S.B. (U. of Wyoming) '15; Ph.B. '16.
Bryant, James Ryan, *s, a, w, sp*, Harrisonville, Mo. A.B. (U. of Missouri) '13.
Bustin, D. Francis, *a, w, sp*, Ulster, Pa.
Cady, Loris Vaughn, *s*, Los Altos, Cal.
Cargill, Daniel Oscar, *s, a, w, sp*, Chicago.
Carlson, Avery Luvere, *s*, Iowa City, Iowa. A.B. (State U. of Iowa) '11; A.M. (*ibid.*) '15.
Casner, Sidney, *a, w, sp*, Chicago. A.B. (U. of Illinois) '14.
Chancellor, Justus, Jr., *s, a, w, sp*, Chicago. Ph.B. (Yale U.) '16.

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Chaveriat, Harry Fred, *a, w, sp,* Chicago.
Chittick, Arthur Compton James, *s, a, w, sp,* Sioux Falls, S.D. A.B. (DePauw U.) '06.
Cody, Clement Delwyn, *a, w, sp,* Chicago. Ph.B. '16; A.B. (St. Cyril's C.) '14.
Cole, Claude Lathrop, *s,* Cottonwood Falls, Kan. S.B. (Fremont C.) '08; Ped.B. (*ibid.*) '09; A.B. (*ibid.*) '09; A.B. (U. of Missouri) '13; S.B. (*ibid.*) '13; A.M. (*ibid.*) '16; LL.B. (*ibid.*) '11.
Coleman, Greta Clare, *a, w, sp,* Cambridge, Mass. A.B. (Radcliffe C.) '15.
Collingsworth, Clifford Jay, *s, a, w, sp,* Mondamin, Iowa. Highland Park C., 1907–8, 1909–10; Drake U., 1910–11.
Cox, Addison Harris, *a, w, sp,* Indianapolis, Ind. Senior (Earlham C.).
Crane, Herbert, *w, sp,* Kenton, Ohio. Ph.B. '16; Oberlin C., 1912–15.
Davis, Harry Lee, *s, a, w, sp,* Spirit Lake, Iowa. Ph.B. '16; State U. of Iowa, 1911–14.
Dawson, Charles Edward, *a, w, sp,* South Knoxville, Tenn. A.B. (Maryville C.) '15.
Dayton, Leo Augustus, *s, a, w,* Salinas, Cal. Leland Stanford Junior U., 1912–15.
de la Motte, James Francis, *a, w, sp,* New York, N.Y.
Dickerson, Earl Burrus, *a, w, sp,* Champaign. A.B. (U. of Illinois) '14; Northwestern U., 1909–11.
Donahoe, John Joseph, *a, w, sp,* Joliet. Ph.B. '16.
Ellsworth, Herman Ladd, *s, a, w, sp,* Ottumwa, Iowa. A.B. (Grinnell C.) '15.
Fisher, Joseph, *a, w, sp,* Chicago. Ph.B. '16.
Flansberg, Robert Harlan, *a, w, sp,* Lincoln, Neb. A.B. (U. of Nebraska) '16.
Gaebler, Hans David, *a, w, sp,* Watertown, Wis. A.B. (U. of Wisconsin) '08; A.M. (*ibid.*) '09.
Gavit, Bernard Campbell, *a, w, sp,* Hammond, Ind. A.B. (Wabash C.) '15.
Gladson, Guy Allan, *s, a, w, sp,* Effingham. Ph.B. '16; U. of Illinois, 1910–15.
Goddard, Roy William, *s,* Chicago. Ph.B. '16; Knox C., 1911–13.
Goodyear, Robert Franklin, *a, w, sp,* Watseka. Senior.
Grimes, Charles Francis, *a, w, sp,* Chicago. Ph.B. '16.
Gualano, Fortunato Francis, *s, a, w, sp,* Chicago. Ph.B. '16.
Harding, Roy Charles, *s, a, w, sp,* Kinbrae, Minn. A.B. (Hillsdale C.) '13.
Holton, Holland, *s,* East Durham, N.C. A.B. (Trinity C.) '07.
Hoyt, Homer, *s, a, w, sp,* Chicago. A.B. (U. of Kansas) '13; A.M. (*ibid.*) '13.
Humphrey, Robert Richards, *a, w, sp,* Lincoln. A.B. (Lincoln C.) '11.
Hupp, Leo C, *a, w, sp,* Sheridan. Ph.B. '15.
Hutton, Arthur Joseph, *s,* Winfield, Kan. A.B. (Southwestern C.) '12; A.M. (U. of Kansas) '13.
James, Frank Walter, *a, w, sp,* Salt Lake City, Utah. U. of Utah, 1914–15.
Jefferson, Charles Lee, Jr., *w, sp,* Chicago. A.B. (Lincoln U.) '14.
Johnson, Voyle Clark, *s, a, sp,* Soldier, Iowa. A.B. (St. Olaf C.) '10.
Kaiser, Joe, *s, a, w, sp,* Salem, Ore. Senior (U. of Oregon).
Keller, Solomon Alban, *s, a, w, sp,* Leetonia, Ohio. S.B. (Valparaiso U.) '93.
Kellogg, John Hall, *s,* Oberlin, Ohio. A.B. (Oberlin C.) '12; A.M. (*ibid.*) '14.

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Kinney, Max, *s, w, sp,* Mount Pleasant, Iowa. S.B. (Iowa Wesleyan C.) '12; Ph.B. '15.

Lieber, Otto Walther, *a, w, sp,* Indianapolis, Ind. Ph.B. '17; Indiana U., 1912–15.

Link, Alfred John, *s, a, w, sp,* Laporte, Ind. Ph.B. '16.

Lloyd, Carl Stanton, *a, w, sp,* Fort Duchesne, Utah. Maryville C., 1914–15.

Logan, Charles Alexander, *s, a, w, sp,* Seaton. A.B. (Lake Forest C.) '14.

McBride, James Renwick, *a, w, sp,* Allison Park, Pa. Geneva C., 1910–12.

McGough, John Francis, *s,* Oriskany Falls, N.Y. A.B. (Colgate U.) '10.

McLarty, Robert Pritchett, *s,* Decatur, Ga. A.B. (Vanderbilt U.) '11.

McMeel, Bernard Francis, *a, w, sp,* Meade, Kan. U. of Kansas, 1912–14.

Martin, Robert Bruce, *s,* Tulsa, Okla. Senior.

Martin, William Carey, *a, w,* Shenandoah, Iowa. A.B. (Cotner U.) '15; Ph.B. '16.

Massena, Roy, *s, a, w, sp,* Blue Island. A.B. (Wabash C.) '07.

Mathews, Robert Elden, *a, w, sp,* Chicago. A.B. (Yale U.) '15.

Matthews, William Henry, *s,* Grand Forks, N.D. A.B. (Lake Forest C.) '92; A.M. (*ibid.*) '94; D.D. (McCormick Theol. Sem.) '12; LL.B. (Chicago-Kent C. of Law) '95.

Meldahl, Horace Spencer, *s,* Charleston, W.Va. Senior (Harvard U.); West Virginia U., 1910–12.

Meseke, Frank Bennett, *s,* Indianapolis, Ind. Ph.B. '12.

Michel, Karl Joseph, *s, a, w, sp,* Van Buren, Ark. U. of Arkansas, 1913–14.

Milkewitch, William, *s, a, w,* Chicago. U. of Chicago, 1914; U. of Michigan, 1914–15.

Miller, Alfred McConnell, *a, w, sp,* Murray, Iowa. Ph.B., '16; Grinnell C., 1912–15.

Miller, Leland Price, *a, w, sp,* Lincoln. A.B. (Northwestern U.) '15.

Murphy, Ellsworth Clyde, *s,* Cutler, Ind. Ph.B. (Franklin C.) '10.

Neeley, James Patton, *s, a, w, sp,* Salt Lake City, Utah. U. of Utah, 1914–15.

Norman, Harold William, *a, w, sp,* Portland, Ore. Senior (U. of Nebraska).

Noskin, Howard, *a, w, sp,* Chicago.

Olney, Clair, *a,* Leonidas, Mich. A.B. (U. of Michigan) '10.

Omacht, George William, *a, w, sp,* South Bend, Ind. A.B. (Indiana U.) '16.

Parker, William Hugh, *s, w, sp,* Morocco, Ind.

Patterson, Redmond Lamar, *s, a, w, sp,* Tyler, Tex. U. of Texas, 1909–10.

Pomper, Herman, *a, w, sp,* Wilmette. S.B. (Northwestern U.) '16; U. of Michigan, 1912–14.

Ramsay, Gaylord Walter, *a, w, sp,* Chillicothe. A.B. (Beloit C.) '13.

Richards, Joseph Evans, *s,* Salt Lake City, Utah. A.B. (U. of Utah) '12.

Riddell, Robert James, *a, w, sp,* Sparland. A.B. (Monmouth C.) '15.

Rodgers, Allen Johnson, *a, w, sp,* Oskaloosa, Iowa. A.B. (Grinnell C.) '15.

Sandidge, Thomas Evans, *s, a, w, sp,* Owensboro, Ky. Bethel C., 1909–11.

Sass, Carl William Herman, *s, a, w, sp,* Sioux City, Iowa. A.B. (Morningside C.) '15.

Schipfer, Carl Arthur, *s, a, w, sp,* Sigourney, Iowa. Graduate (United States Naval Academy) '08.

Seydel, Frank, *s,* Iowa City, Iowa. A.B. (State U. of Iowa) '13.

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Shaw, Robert James, *s, a, w,* Hayesville, Iowa. A.B. (State U. of Iowa) '16.
Sickle, Max S., II, *s, a, w, sp,* Chicago. Ph.B. '16.
Siefkin, Forest DeWitt, *s,* Newton, Kan. A.B. (Illinois C.) '12.
Smith, Murray Edward, *a, w, sp,* Troy, Ohio. Kenyon C., 1911–12.
Stevens, Riley Ernest, *a, w, sp,* Gilson. A.B. (Lombard C.) '15.
Todhunter, Rex Abner, *s,* East Monroe, Ohio. S.B. (Wilmington C.) '13; Ph.B. '16.
Turner, George Walker, *s, a, w, sp,* Kansas City, Mo. A.B. (Illinois C.) '12; J.B. (U. of Missouri) '13.
Uden, Louis Enno, *s, a, w, sp,* Hastings, Neb. S.B. (Hastings C.) '14.
Udy, Stanley Hart, *a, w, sp,* Dunkirk, N.Y. Ph.B. '16; George Washington U., 1909–11.
Victor, Louis John, *a, w, sp,* Chicago. Ph.B. '16.
Vondracek, Olga, *s, a, w, sp,* Cedar Rapids, Iowa. Ph.B. '08.
Wagner, Frank Cristopher, *w,* Battle Creek, Mich. U. of Michigan, 1912–13.
Weakly, Floyd Berkeley, *s, a, w, sp,* Shelbyville. U. of Chicago, 1913–14.
Wheeler, Francis Foss, *a, w, sp,* Evanston. A.B. (Leland Stanford Junior U.) '15.
Willis, Nelson Morton, *a, w, sp,* Bogue Chitto, Miss. A.B. (Tougaloo U.) '14.
Wright, William Russell, *s,* Etna Green, Ind. A.B. (Earlham C.) '12; A.M. (*ibid.*) '15.

FIRST-YEAR STUDENTS

Abe, Shungo, *s,* Tokyo, Japan. A.B. (Wheaton C.) '12; Waseda U., 1904–8.
Allen, Charles Forrest, *s,* Little Rock, Ark. Senior.
Allie, Stephen John, *a, w, sp,* Chicago. Senior.
Backer, Walter Lewis, *a, w, sp,* Luverne, Minn. Macalester C., 1915–16.
Bacon, Albert Henry, *s,* Rensselaer, N.Y. S.B. (New York State C. for Teachers) '11.
Bagley, Hyrum Grant, *a, w, sp,* Murray, Utah. A.B. (U. of Utah) '13; A.M. (*ibid.*) '14.
Bailey, Bernard Byrd, *a, w, sp,* Arkadelphia, Ark. A.B. (Ouachita C.) '14.
Baker, Irwin Monroe, *w, sp,* Chicago. Senior.
Bakes, Warren H, *a, w,* Beaver City, Utah.
Bakke, Norris Conroy, *w, sp,* Sterling, Colo. U. of Chicago, 1914–16.
Ball, Lloyd Ross, *a, w, sp,* Hawarden, Iowa. A.B. (U. of Michigan) '16.
Baltz, Guy Charles, *a, w, sp,* Attica, Kan. A.B. (Kansas State Normal C.) '13.
Barton, Thyrsa May, *w, sp,* Altadena, Cal. A.B. '07; Vassar C., 1903–6.
Bass, John Harvey, *s,* Enid, Okla. A.B. (Baker U.) '14.
Beurnsteen, Bernard Joseph, *a, w, sp,* Portland, Me. S.B. (Dartmouth C.) '16.
Biggins, Katherine Deborah, *a, w, sp,* Winner, S.D. Ph.B. '15.
Bird, Verne Adelbert, *s,* Rochester, N.Y. S.B. (Cornell C.) '09.
Blackman, Thaddeus Grant, *s, a, w, sp,* Albion, Ind. Valparaiso U., 1906; Indiana U., 1907–8, 1911–12; Carnegie Inst. of Technology, 1912–13.
Blankenship, Chauncey Logan, *s, a, w, sp,* Chicago. Ohio State U., 1914–16.
Blazer, Paul Garrett, *w,* Aledo. Senior; William and Vashti C., 1908–10.
Blim, Charles Hewes, *s,* Crete. Senior; U. of Wisconsin, 1910–12.

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Boomershine, Edward Raymond, *a, w,* Versailles, Ohio. A.B. (Leland Stanford Junior U.) '16.
Borden, Charles Henry, *a, w, sp,* Wewoka, Okla. Senior.
Boye, Walter Fred, *w, sp,* St. Paul. A.B. (U. of Illinois) '16.
Brandeis, Susan, *a, w, sp,* Washington, D.C. A.B. (Bryn Mawr C.) '15.
Brinkman, Francis Leslie, *a, w, sp,* Chicago. Senior.
Brodda, Fred William, *a, w, sp,* Burlington, Wis. Senior; U. of Wisconsin, 1911–15.
Butler, John Ben, Jr., *a, w, sp,* Fort Dodge, Iowa. A.B. (Dartmouth C.) '16.
Butters, Harold Albert, *a, w, sp,* Ottawa. A.B. (Beloit C.) '15.
Cahill, James, *s,* Chicago.
Campbell, LeRoy, *s, a, w, sp,* Chicago. Ph.B. '15.
Canning, John Bennet, *w,* Chicago. Ph.B. '13.
Cargill, Earl Hoffman, *a, w, sp,* Black River Falls, Wis.
Cargill, Max Fred, *a, w, sp,* Black River Falls, Wis. M.T.B. (Valparaiso U.) '15.
Carlson, George Maurice, *a, w, sp,* Chicago. Senior.
Carstarphen, Ezra Thomas, *w, sp,* New London, Mo. A.B. (U. of Missouri) '16.
Casey, George Wylie, *s,* Chicago. Northwestern U., 1913–14.
Cavin, Ernest Dillard, Jr., *a,* Galveston, Tex. Ph.B. '17.
Chadbourne, Reuben Joseph, *a,* Chicago. U. of Colorado, 1914–16.
Chadwick, Perry Moreland, *a, w, sp,* Tuscola. Senior; Brown U., 1913–15.
Chamberlain, Elizabeth Leland, *s,* Des Moines, Iowa. A.B. (Mount Holyoke C.) '14; U. of Chicago, 1914–16.
Chandler, Franklyn Kent, *w, sp,* Chicago. Senior.
Chiesa, Louis, *a, w, sp,* Des Moines, Iowa. State U. of Iowa, 1914–16.
Christianson, William, *a, w, sp,* Jasper, Minn. Highland Park C., 1915–16.
Cobb, Lewis Chidester, *s,* Waterloo, Iowa. A.B. (Grinnell C.) '16.
Cohen, Leo Joseph, *a, w, sp,* Chicago. Senior.
Cooper, Berry Willis, *w, sp,* Greenfield, Ind. Senior; Earlham C., 1911–13.
Corpus, Eliodoro Palacio, *a, w, sp,* Neuva Ecija, P.I. A.B. (U. of the Philippines) '14.
Cox, Lycurgus Madison, *a, w, sp,* Mount Pleasant, Iowa. A.B. (Iowa Wesleyan C.) '15.
Crout, Ray Durand, *s,* Blue Island. A.B. (Ohio State U.) '04; A.M. (*ibid.*) '05.
Crow, DeWitt Smith, *s, a, w, sp,* Chicago. A.B. (U. of California) '16; U. of Illinois, 1910–12.
Crow, William Leslie, *s, a, w, sp,* Chicago. A.B. (U. of Illinois) '12; A.M. (James Millikin U.) '14.
Cubbage, Verlin Willis, *a, w, sp,* Ida Grove, Iowa. Senior (State U. of Iowa).
Davies, Joseph Speed, *s,* Fort Worth, Tex. S.B. (Polytechnic C.) '14.
DeFriese, Louis Edmund, *s,* Birchwood, Tenn. U. of Chattanooga, 1913–14.
Dibble, Lester Cornwell, *a, w, sp,* Charles City, Iowa. Senior (U. of Michigan).
Diltz, Volney, *a,* Des Moines, Iowa. A.B. (Drake U.) '15.
Dolliver, Garrett Brown, *s,* Hot Springs, S.D. A.B. (U. of South Dakota) '14; George Washington U., 1910–13.
Doolan, Roy Gibson, *w, sp,* Chicago. Senior.
Dysart, Leland Thornten, *a,* Melissa, Tex. Polytechnic C., 1913–15.

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Elwood, Mabel Clair, *s*, Lime Springs, Iowa. S.B. (Cornell C.) '11.
Farrell, William Eugene, *s*, South Bend, Ind. A.B. (Hamilton C.) '05.
Fezandié, Dorette, *a*, *w*, *sp*, New York, N.Y. A.B. (Barnard C.) '15.
Fischer, Harry Arnold, *a*, *w*, *sp*, Chicago. Senior; Concordia C., 1913–15.
Frailie, Frank Chauncey, *s*, *a*, Ironton, Ohio. Ohio State U., 1914–16.
Fraser, Robert Clark, *a*, *w*, Polo. U. of Chicago, 1914–16.
Free, John Noble, *s*, Chetopa, Kan. A.B. (Cooper C.) '13.
Freeman, Stuart, *s*, *a*, Portland, Ore.
Garten, Vern Elijah, *s*, Albion, Neb.
Gay, William Edwin, *s*, Little Rock, Ark. A.B. (Philander Smith C.) '00.
Georghion, Alexander Sotirius, *a*, *w*, Dardanelles, Turkey. Senior; Graduate (Constantinople Gym.).
Gice, Herman Hunter, *s*, *a*, *w*, *sp*, Stamford, Tex. A.B. (Eastern Texas Normal C.) '03; Ph.B. '16.
Goad, John Marion, *a*, *w*, *sp*, Springfield, Mo. A.B. (Drury C.) '16.
Grace, Floyd Vivian, *a*, *w*, Metropolis. U. of Illinois, 1914–15.
Grady, Richard John, *s*, La Fayette, Ind. A.B. (DePauw U.) '14.
Granger, Allan Seymour, *a*, *w*, *sp*, Valley City, N.D. Graduate (North Dakota State Normal S.) '16.
Graybill, Leo Carlisle, *a*, *w*, *sp*, Decatur. A.B. (James Millikin U.) '16.
Griffin, Benjamin Devane, *a*, *w*, *sp*, Conroe, Tex.
Griffith, Melvin Llewellyn, *s*, Golden City, Mo. Ed. S.B. (U. of Missouri) '15.
Guy, Ellsworth Lin, *w*, *sp*, Norwood, Colo. Senior (Colorado C.).
Hamilton, Leland Stanford, *s*, Hymera, Ind. A.B. (Indiana U.) '16; A.M. (*ibid.*) '16.
Hanley, William Michael, *w*, *sp*, Chicago. U. of Notre Dame, 1912–13.
Harl, Maple Talbott, *w*, *sp*, Canon City, Colo. A.B. (William Jewell C.) '14.
Harley, Herbert, *w*, Chicago. LL.B. (U. of Michigan) '92.
Harte, Norman Gale, *a*, *w*, *sp*, Cunningham, Kan. Senior.
Hartzell, Franklin MacVeagh, *a*, *w*, *sp*, Carthage. Carthage C., 1911–13.
Herzog, Milton Hirschfield, *a*, *w*, *sp*, Chicago. Senior.
Hibbler, John Arthur, *s*, Little Rock, Ark. A.B. (Arkansas Baptist C.) '04.
Himstedt, Ralph Ebner, *w*, *sp*, Champaign. Senior (U. of Illinois).
Hoffman, Joseph Carroll, *s*, Los Angeles, Cal. U. of Notre Dame, 1912–13.
Hoffman, Malvin Gerald, *a*, Chicago. Senior.
Hoffman, Pearl, *w*, *sp*, Chicago.
Hogan, Floyd Leo, *a*, *w*, *sp*, Oak Park. Senior.
Houghton, Fred B, *a*, *w*, *sp*, Chicago. Senior.
Huls, Harold Phillips, *a*, *w*, *sp*, Chicago. Senior.
Jones, Gleonard Harrison, *a*, *w*, *sp*, Summitville, Ind. A.B. (Indiana U.) '15.
Jordan, Ray, *a*, *w*, Joliet. A.B. (Dartmouth C.) '16.
Kaleth, John Joseph, *s*, Chicago. U. of Chicago, 1915.
Kelly, Roy Patrick, *a*, *w*, *sp*, Ashland, Wis. U. of Michigan, 1914–15; U. of Wisconsin, 1915–16.
Kenney, Ralph Clinton, *s*, Aledo. S.B. (Ohio U.) '12.
Kieck, William Gehrt, *s*, Springfield, Neb. A.B. (U. of Nebraska) '14.
Kirby, William Milton, *s*, St. Joseph, Mo.
Kirkpatrick, Olin Penny, *s*, *a*, *w*, *sp*, Chicago. U. of Missouri, 1911–12.

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Kiss, Joseph Mitchell, *s*, Cleveland, Ohio. A.B. (U. of Pittsburgh) '15.
Knoll, Adolph Otto, *a*, Little Rock, Ark. Ph.B. '16.
Kreeger, Julius, *a*, *w*, *sp*, Chicago. Senior.
Kusel, Sylvan Charles, *s*, *a*, Chicago. Senior.
Lee, Stephen Dill, *s*, Greenwood, S.C. C. of Charleston, 1908–11; U. of South Carolina, 1911–13.
Lewis, Charles Huffman, *s*, Ruston, La. A.B. (Louisiana State U.) '14.
Loven, Paul Lamar, *a*, *w*, *sp*, Clyde, Tex. Polytechnic C., 1913–14; U. of Texas, 1914–15; Southern Methodist U., 1915–16.
Lowry, Ralph Thompson, *a*, *w*, *sp*, Urbana, Ohio. Senior (Miami U.).
Luehr, Elmer, *a*, *w*, *sp*, Chicago. Ph.B. '16.
Lundberg, Charles Joseph, *s*, Alcester, S.D. S.B. (Huron C.) '15.
McBrayer, Herman Tatum, *sp*, Jean, Tex. Graduate (North Texas State Normal C.) '15.
McCann, John Wilson, *a*, Andalusia, Ala. Senior.
McCormick, Arthur Francis, *a*, *w*, *sp*, Gary, Ind. Indiana U., 1914–16.
McDonald, Harry Alexander, *a*, *w*, *sp*, Meriden, Iowa. Iowa State Teachers C., 1911–15.
McGrath, Sebina Evangeline, *a*, *w*, *sp*, Chicago. State U. of Iowa, 1908–9; Iowa State Teachers' C., 1913–16.
Maciontek, Waclaw Peter, *a*, *w*, Chicago. U. of Chicago, 1913–15.
McKenzie, Ola Everett, *s*, Tonkawa, Okla. A.B. (Oklahoma Methodist U.) '15.
McMillan, Arthur Wilson, *s*, Duluth, Minn. A.B. (Carleton C.) '14.
MacMillan, William Hugh, *a*, LaGrange. Senior.
McNamara, John Ray, *a*, Chicago. U. of Chicago, 1915–16.
Magill, Roswell Foster, *a*, *w*, *sp*, Springfield. A.B. (Dartmouth C.) '16.
Malczewski, Maximilian William, *a*, *w*, *sp*, Braddock, Pa. A.B. (Valparaiso U.) '14.
Mangner, Thomas Daniel, *a*, *w*, *sp*, Kinmundy. A.B. (Illinois C.) '16.
Matthews, Paul Chandler, *a*, *w*, *sp*, Grand Forks, N.D. Senior (U. of North Dakota).
Miller, Earl Samuel, *s*, Windham, Ohio. Ph.B. (C. of Wooster) '14; Hiram C., 1910–12.
Miller, George Leslie, *s*, Ottumwa, Iowa.
Miller, James Allen, *s*, *a*, *w*, *sp*, Chicago. A.B. (Beloit C.) '13.
Miller, Murry Artemus, *s*, Bryan, Tex. A.B. (U. of South Carolina) '09; A.M. (*ibid.*) '16.
Miller, Sylvia Alice, *a*, *w*, *sp*, Tobias, Neb. Ph.B. '10; A.M. '15.
Moffat, William McKee, *a*, *w*, *sp*, Fort Wayne, Ind. A.B. (Lafayette C.) '15.
Moore, Raymond Howard, *s*, *a*, *w*, *sp*, Stillwater, Okla. S.B. (Oklahoma Mechanical and Agricultural C.) '08.
Moynihan, John Cornelius, *a*, *w*, *sp*, Chicago. Senior.
Mueller, Lorenz Earnest, *a*, *w*, *sp*, Chicago. Senior.
Natestad, Harold Delmar, *a*, Flandreau, S.D. A.B. '15; U. of South Dakota, 1911–14.
Nelson, Elijah Clemens, Jr., *s*., Floydada, Tex. A.B. (U. of Texas) '15.
Newman, Edward Leo, *a*, *w*, Chicago. Senior.
Ney, Wendell Holm, *a*, *w*, *sp*, Canton, Ohio. Senior (C. of Wooster).

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Nielson, Joseph, *a, w, sp*, Hyde Park, Utah. Brigham Young C., 1911–14.
Nottelmann, Rudolph Hans, *s*, Monmouth. A.B. (Monmouth C.) '12; A.M. (U. of Illinois) '13.
Nusbaum, Carl Bernhardt, *sp*, Chicago. Senior.
O'Brien, Earl James, *w*, Mansfield, Ohio. A.B. (Wittenberg C.) '15.
Olcott, Ellsworth Landon, Jr., *a, w, sp*, Indianapolis, Ind. A.B. (DePauw U.) '16.
Ollerton, Milton Leech, *s, a, w*, Provo, Utah. Brigham Young C., 1915–16.
Olson, George Edgar, *s*, Volga, S.D. A.B. (U. of South Dakota) '14.
Palmeter, Paul Hamilton, *a*, Clear Lake, Iowa.
Pardee, Frank Herbert, *s*, Windham, Ohio. A.B. (Hiram C.) '16.
Patterson, Edwin Wilhite, *s*, Austin, Tex. A.B. (U. of Missouri) '09; LL.B. (*ibid.*) '11.
Peine, Arthur Frederick, *s*, Minier. A.B. (Illinois Wesleyan C.) '11; A.M. (U. of Illinois) '13.
Pelta, Ralph Waldo, *a, w, sp*, Colorado Springs, Colo. Senior (U. of Colorado).
Peterson, Arthur Harold, *a, w*, Spencer, Iowa. Senior.
Phelps, Hiram Floyd, *a, w, sp*, Kingsley, Iowa. A.B. (Morningside C.) '16.
Piatos, Jose Javier, *w, sp*, Lanao, Mindanao, P.I. Northwestern U., 1914–15; U. of Chicago, 1915–16.
Pomeroy, Dwight Abel, *a*, Pittsburg, Kan. S.B. (Kansas Manual Training Normal S.) '14.
Pratt, Howard George, *w, sp*, Hastings, Neb. A.B. (Hastings C.) '16.
Prichard, Ralph Cedric, *a, w, sp*, Hornick, Iowa. A.B. (Morningside C.) '15.
Purcell, William Bliss, *a, w, sp*, Chicago. Senior (U. of Colorado).
Quadow, Nathan Leonard, *a, w, sp*, Chicago. U. of Chicago, 1912–14; U. Wisconsin, 1915–16.
Quillian, Henry Milton, *s*, Atlanta, Ga. S.B. (Emory U.) '13.
Quinn, Charles Fred Patrick, *s, a*, Lancing, Tenn. Senior (Maryville C.).
Ragland, Reginald Watson, *a, w, sp*, Paris, Mo. A.B. (U. of Missouri) '15.
Ranne, George Conway, *s*, Waukegan. S.B. (Hanover C.) '04.
Regnolds, Karl Gustave, *w*, Zumbrota, Minn. St. Olaf C., 1913–15.
Rice, Liston McLeod, *s, a, w*, Wills Point, Tex. A.B. (Wolford C.) '12; Tulane U., 1908–10.
Rockwell, Maud Helm, *s*, Cambridge, Mass. A.B. (St. Mary's of the Woods) '16.
Rollins, James Franklin, *s*, Mulhall, Okla.
Roth, Henry, *s*, Sycamore, Ohio. Ped.B. (Ohio Northern U.) '10; S.B. (*ibid.*) '11.
Ruch, Walter Allwein, *a, w, sp*, Chaffee, Mo. U. of Missouri, 1913–15.
Sadler, Omar T, *w*, Hart, Mich. A.B. (U. of Wisconsin) '16; Michigan Agricultural C., 1905–7.
Sandall, John Chester, *a, w, sp*, York, Neb. Senior.
Sayre, Paul Lombard, *a, w, sp*, Chicago. A.B. (Harvard U.) '16.
Schimberg, Archie, *a, w, sp*, Chicago. Senior.
Schlegel, Verne John, *w, sp*, Bloomfield, Iowa. Bluffton C., 1914–15.
Schoondermark, Cornelius, *a, w, sp*, Chicago. U. of Illinois, 1913–14; U. of Chicago, 1916.
Scott, Chauncey Harrison, *a, w, sp*, Scio, Ohio. Senior.
Sissman, Jesse, *sp*, Chicago. Senior.
Smith, Charles Logan, *a*, Harlan, Ky. Maryville C., 1914–16.

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Snider, Clifford Raymond, *s*, Morgantown, W.Va. A.B. (West Virginia U.) '14.
Snider, Joseph Edgar, *s*, Louisville, Ky. U. of Louisville, 1915–16.
Stackhouse, William Owsley, *s*, Lexington, Ky. A.B. (State U. of Kentucky) '09.
Strong, George Eugene, *a*, *w*, *sp*, Blue Rapids, Kan. Senior (U. of Kansas).
Suhr, Edwin Harrel, *a*, *w*, Houston, Tex. Senior.
Sullivan, John Crew, *s*, Porterdale, Ga. A.B. (Davidson C.) '13.
Sundvall, August Leo, *a*, New Richmond, Wis. A.B. (Franklin C.) '16.
Sutherland, Joseph Daily, *a*, *w*, *sp*, Mountain City, Tenn. S.B. (King C.) '11; Emory and Henry C., 1906–8.
Sutt, Charles Porter, *s*, Louisville, Ky.
Svatek, Edward Vaclav, *a*, *w*, *sp*, Chicago. Senior.
Takayanagi, Kenzo, *s*, Tokyo, Japan. Graduate (First National C. of Tokyo) '07; B.C.L. (Imperial U. of Tokyo) '11.
Tantoco, Ernesto Buendia, *a*, *w*, *sp*, Bulacan, P.I. A.B. (Ateneo de Manila) '14.
Taylor, Eva Lee, *w*, *sp*, Kemptville, Ontario, Canada.
Taylor, Henry Sterling, *s*, Pender, Neb. A.B. (U. of Wisconsin) '11.
Thayer, Charles Lambert, Jr., *a*, *w*, *sp*, Chicago. A.B. (Lake Forest C.) '16.
Thomas, Orville, *a*, *w*, *sp*, Chicago.
Townley, John Lewis, *s*, Fergus Falls, Minn. U. of Minnesota, 1912–14.
Treadway, Oswell Garland, *s*, Richmond. Graduate (Western Illinois State Normal S.) '10.
Uychutin, Luis Patricio, *a*, *w*, *sp*, Manila, P.I. A.B. (U. of the Philippines) '16.
Watson, Robert Eli, *s*, Weir, Miss. A.B. (Mississippi C.) '13; A.M. (*ibid.*) '15.
Weers, Lealand Henry, *a*, Peoria.
Weinberg, Benjamin, *a*, Chicago. U. of Chicago, 1915–16.
Weisl, Edwin Louis, *a*, *w*, *sp*, Chicago. Senior.
Weiss, Morton Benjamin, *a*, *w*, *sp*, Chicago. Senior.
Welsh, Gerald Eugene, *a*, *w*, *sp*, Chicago. Senior.
Westbrook, Robert Bowker, *a*, Marion.
Wheeler, Jasper Lawrence, *s*, Pittsburg, Kan. Graceland C., 1908–9; Graduate (Kansas Normal S.) '11.
Wherritt, Alan Francisco, *s*, *a*, *w*, *sp*, Liberty, Mo. Senior (William Jewell C.) 1913–16.
Wick, Gregory Howard, *a*, Norwich, N.Y.
Wilson, Grover Cleveland, *a*, *w*, *sp*, Paint Lick, Ky. A.B. (State U. of Kentucky) '16.
Wilson, John Estill, *a*, *w*, *sp*, Paint Lick, Ky. A.B. (State U. of Kentucky) '13.
Windrow, Stellan Sven, *a*, *w*, Chicago. Senior.
Zax, Solomon Lionel, *a*, *w*, *sp*, Chicago. Senior.
Zumwinkel, Otto Herman, *s*, Utica, Neb. A.B. (U. of Nebraska) '15.

UNCLASSSIFIED STUDENTS

Duke, R T Walker, *s*, *a*, *w*, *sp*, Chicago.
Leffert, Lillian Alma, *s*, *a*, *sp*, Des Moines, Iowa.
Porter, Willard Price, *w*, *sp*, Pittsburgh, Pa.
Rice, Philip La Vergne, *s*, Lihue, H.I.
Walker, John Henry, *s*, Washington, D.C.

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STUDENTS IN OTHER DEPARTMENTS TAKING LAW COURSES

Alexander, Ralph Samuel, *w*, Wooster, Ohio. Ph.B. (C. of Wooster) '16.
Alford, Elmer Chesteen, *sp*, Osyka, Miss. Senior; S.B. (Mississippi Agricultural and Mechanical C.) '14.
Bean, Donald Pritchett, *a*, *w*, Bloomington. Senior.
Beneke, Herman Henry, *w*, *sp*, Brookville, Ohio. A.B. (Miami U.) '09; A.M. (*ibid.*) '12.
Board, Claude Franklin, *s*, Colorado Springs, Colo. A.B. (Indiana U.) '07; LL.B. (U. of Oregon) '14.
Chutkow, Samuel, *s*, La Junta, Colo. Senior.
Clark, Grover Gulick, *w*, Chicago. A.B. (Oberlin C.) '14.
Cooper, Berry Willis, *a*, Greenfield, Ind. Senior; Earlham C., 1911–13.
Cross, Cecil Merne Putnam, *w*, *sp*, Providence, R.I. A.B. (Brown U.) '15; A.M. (*ibid.*) '15.
Jensen, Christen, *s*, Provo, Utah. A.B. (U. of Utah) '07; A.M. (Harvard U.) '08.
Joranson, Einar, *s*, Chicago. A.B. (Augustana C.) '08; A.M. (U. of Wisconsin) '14.
Journey, Rockwell Cresap, *s*, Columbia, Mo. A.B. (U. of Missouri) '12; A.M. (*ibid.*) '13.
Kawabe, Kisaburo, *s*, Iwase, Saitama, Japan. A.B. (Waseda U.) '08; A.M. (U. of Wisconsin) '12.
Kingsbury, Joseph Bush, *w*, *sp*, Osage, Iowa. A.B. (George Washington U.) '15.
Levin, Joseph Jay, *a*, Chicago. Senior.
MacMillan, William Hugh, *w*, LaGrange. Senior.
Medias, Sabina Grace, *sp*, Indianapolis, Ind. Senior; Indiana U., 1914–16.
Miller, Sylvia Alice, *s*, Tobias, Neb. Ph.B. '10; A.M. '15.
Moore, Albert Burton, *w*, Fayette, Ala. S.B. (Alabama Polytechnic Inst.) '11; S.M. (*ibid.*) '12; A.M. '15.
Nusbaum, Carl Bernhardt, *w*, Chicago. Senior.
Okuda, Hidejiro, *w*, *sp*, Kobe, Japan. Ph.B., '15; A.M. '16.
Olsen, Elmer S, *a*, Dell Rapids, S.D. A.B. (Sioux Falls C.) '15.
Porter, Kirk Harold, *w*, Waukegan. A.B. (U. of Michigan) '14; A.M. (*ibid.*) '16.
Quinn, Edward, *w*, *sp*, Terre Haute, Ind. A.B. (Indiana State Normal S.) '14.
Reber, Hugh Jackson, *w*, Madison, Wis. A.B. (U. of Wisconsin) '14.
Regent, Jeanette Bessie, *a*, Chicago. Senior.
Richardson, Rupert Norval, *s*, Caddo, Tex. A.B. (Simmons C.) '12; Ph.B. '14.
Sadler, Omar T., *a*, *sp*, Hart, Mich. A.B. (U. of Wisconsin) '16; Michigan Agricultural C., 1905–7.
Samuels, Julius Raphael, *s*, Cincinnati, Ohio.
Sargent, Noel Gharrett, *w*, Seattle, Wash. A.B. (U. of Washington) '15; A.M. (U. of Minnesota) '16.
Sayler, James Lanning, *a*, Chicago. Senior; LL.B. (U. of Cincinnati) '94.
Scott, Donald Charles, *w*, *sp*, Chicago. Senior.
Sissman, Jesse, *w*, Chicago. Senior.
Sorrell, Lewis Carlyle, *w*, *sp*, Chicago. A.B. (Colgate U.) '11.

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Stenhouse, Bessie Charlotte, *w*, Chicago. Senior.
Sundvall, August Leo, *w*, *sp*, New Richmond, Wis. A.B. (Franklin C.) '16.
Wardlow, Chester Cameron, *s*, Dayton, Ohio. A.B. (Juniata C.) '12.
Wells, George Fitch, *s*, Grand Forks, N.D. Senior; Oberlin C., 1891–93; LL.B. (U. of Michigan) '95.
Zimmerman, George Frederick, *w*, *sp*, Cedar Falls, Iowa. A.B. (Iowa State Teachers' C.) '15.

SUMMARY OF ATTENDANCE IN THE LAW SCHOOL, 1916–17

Resident Graduates	2
Third-Year Students	100
Second-Year Students	99
First-Year Students	213
Unclassified Students	5
Total in Law School	419
Students in other departments taking law courses	39
Total	458
Repetitions (deduct)	7
GRAND TOTAL	451

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THE MEDICAL STUDENTS

FRESHMEN AND SOPHOMORES

Abramovitch, William Morris, *sp*, Chicago. Ph.B. '14.
Adams, James Buchanan, *a*, Montezuma, Ga. Morehouse C.
Allen, Edward Dudley, *a*, *w*, *sp*, Lo Lo, Mont. S.B. (U. of Montana) '15.
Allen, Isaac Walter, *s*, Salt Lake City, Utah. A.B. (U. of Utah) '15.
Allen, James Ulysses, *w*, Chicago. Howard U.
Allison, Minard, *a*, *w*, *sp*, Pittsburg, Kan. Senior C.
Amos, Chester, *s*, Manassas, Va. U. of Virginia.
Andersen, Walter Michael, *s*, *a*, *w*, *sp*, Chicago. Senior C.
Anderson, Charles Edward, *w*, *sp*, Chicago. S.B. (Coe C.) '10.
Anderson, Janet Alice, *s*, *a*, *w*, *sp*, La Crosse, Wis. S.B. '17.
Anderson, Ruth Amalia, *a*, *w*, Chicago. S.B. '17.
Apfelbach, Carl Wesley, *a*, *w*, *sp*, Chicago. Senior C.
Armstrong, Clifford Oakley, *s*, Bloomington. U. of Illinois.
Ascherman, Elmer Nathaniel, *a*, *w*, *sp*, Chicago. S.B. '17.
Ashby, Winifred Mayer, *s*, Chicago. S.B. '03.
Asher, Arthur Graham, *a*, *w*, *sp*, Trenton, Mo. Senior C.
Austin, Florence Olive, *s*, *a*, *w*, Mobile, Ala. S.B. '17.
Baker, Earl Ellis, *s*, Havelock, Neb. S.B. (U. of Nebraska) '15.
Barborka, Clifford Joseph, *a*, *w*, *sp*, Denison, Iowa. Simpson C.
Bardenwerper, Hulburt Enos, *a*, *w*, *sp*, Milwaukee, Wis. S.B. '17.
Barker, Samuel Robert, *s*, *a*, *w*, *sp*, Springfield. Senior C.
Barnard, Hayden Emil Eberhardt, *s*, *a*, *w*, Chicago. S.B. '17
Barnes, Clarence Albert, *s*, *a*, *w*, *sp*, Albia, Iowa. A.B. (Monmouth C.) '14.
Bates, Austin David, *a*, *w*, *sp*, Scottville, Mich. S.B. (Kalamazoo C.) '16.
Becker, Harry Fred, *a*, *w*, *sp*, Chicago. Senior C.
Bell, Margaret, *s*, *a*, *w*, *sp*, Chicago. S.B. '15.
Bell, Robert Graham, *s*, *a*, Chicago. A.B. (Wabash C.) '08. S.B. '11.
Benson, Virginia Mary, *sp*, Chicago. Senior C.
Bezdek, Hugo Frank, *s*, Eugene, Ore. S.B. '07.
Bjorgo, Carl Walter, *s*, Red Wing, Minn. A.B. (Luther C.) '07.
Blaisdell, Paul Carrier, *a*, *w*, *sp*, Claremont, Cal. A.B. (Pomona C.) '16.
Blincoe, Homer, *s*, Columbus, Kan. A.B. (U. of Kansas) '15; S.M. (*ibid.*) '16.
Bondzinski, John Anton, *a*, *w*, *sp*, Chicago. Senior C.
Borchers, William Frederick, *s*, *a*, *w*, *sp*, Chicago. Northwestern U.
Borowsky, Maxwell Philip, *s*, *a*, *w*, *sp*, Chicago. S.B. '17.
Bosch, Leon Cherest, *a*, *w*, *sp*, Holland, Mich. A.B. (Hope C.) '15.
Bowing, Irwin Ellis, *a*, *w*, *sp*, St. Cloud, Minn. S.B. '17.
Bowler, Vincent Brendan, *s*, *a*, *w*, Chicago. S.B. '17.
Bradel, Thaddeus Leopold, *s*, *a*, *w*, *sp*, Chicago. S.B. '17.
Browne, Howard Storm, *s*, Norman, Okla. Oklahoma U.
Browning, Irving Robert, *s*, *a*, *w*, *sp*, Iron Mountain, Mich. S.B. (Michigan Agricultural C.) '12.
Bruff, William Cortland, *a*, *w*, *sp*, Atlantic, Iowa. Penn C.

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Buchanan, Howard, *sp*, Monmouth. Monmouth C.
Bucholtz, Albert Michael, *s*, *a*, Kansas City, Kan. A.B. (Wabash C.) '14.
Buck, Benjamin J., *s*, Michigan City, Ind.
Bucklin, Nathaniel J., *a*, Pratt, Kan. A.B. (Friends' U.) '16.
Budge, Wallace Hugh, *s*, *a*, *w*, *sp*, Logan, Utah. S.B. '17.
Burcky, Frederic William, *s*, Chicago. S.B. '16.
Burgeleit, Walter Henry, *s*, Springfield. Royal Technical Inst. '13.
Burt, James Henry, *s*, Manhattan, Kan. U. of Michigan.
Butin, James Abram, *a*, *w*, *sp*, Fredonia, Kan. A.B. (U. of Kansas) '16.
Butler, Craig Dunn, *s*, Aledo. S.B. (Earlham C.) '14.
Callander, Russell John, *s*, Delaware, Ohio. S.B. '15.
Cameron, Don Bruce, *s*, *a*, *sp*, White Pigeon, Mich. S.B. '17.
Campione, Nicholas Louis, *s*, *a*, *w*, Chicago. S.B. '17.
Cannon, Paul Roberts, *a*, *w*, Decatur. A.B. (James Millikin U.) '15.
Carino, Jose Maria, *s*, *a*, *w*, Bagnio, P.I. S.B. '17.
Carlstrom, Fred J., *a*, New Boston. A.B. (Coe C.) '15.
Carrillo, Jose Gonzalez, *s*, *a*, *w*, *sp*, Baliwag, Bulacan, P.I. Senior C.
Carroll, Charles Hardy, *a*, *w*, *sp*, Provo, Utah. A.B. (Brigham Young U.) '12.
Cary, William Ernest, *w*, *sp*, Gansevoort, N.Y. Ph.D. '16.
Cassady, Thomas Gantz, *s*, *a*, *w*, Spencer, Ind. Senior C.
Chang, Wai Kai, *s*, *a*, *sp*, Honolulu, H.I. S.B. '16.
Chimene, Eugene Opet, *a*, Houston, Tex. S.B. '16.
Christensen, Herbert Harvey, *w*, Jamestown, Kan. A.B. (Ottawa U.) '14.
Clements, Fred, *s*, *a*, *w*, *sp*, Mount Vernon, Ind. Indiana U.
Cohen, Henry David, *a*, *w*, *sp*, Chicago. Senior C.
Cohen, Joseph Kaiser, *s*, Chicago. Senior C.
Cohen, Seymour Jerome, *s*, *a*, *w*, *sp*, Chicago. S.B. '17.
Collier, Bertha Elsie, *a*, *w*, *sp*, Chicago. Ph.B. '15.
Conroy, Francis Robert, *a*, *w*, *sp*, Ogden, Utah. U. of Utah.
Cook, Benjamin Franklyn, *w*, Compton. S.B. (Beloit C.) '15.
Cotts, Gerritt, *a*, *w*, *sp*, Hudsonville, Mich. S.B. (Michigan Agricultural C.) '14.
Crain, Carroll Francis, *a*, Redfield, S.D. U. of South Dakota.
Crane, Jay James, *a*, *w*, *sp*, Hot Springs, S.D. S.B. '17.
Crooks, Tony Taylor, *a*, *w*, Fredonia, Kan. A.B. (U. of Idaho) '09; A.B. (Oxford U. England) '13.
Cross, Denzil D., *s*, Hollis, Okla. A.B. (Baylor U.) '12.
Curtis, George Moris, *s*, Minooka. A.B. (U. of Michigan) '10; A.M. (*ibid.*) '10; Ph.D. (*ibid.*) '14.
Cuvellier, John Holden, *a*, *w*, *sp*, Minneapolis, Minn. U. of Minnesota.
Daniels, Luman Elmer, *a*, *w*, *sp*, Woodstock. Senior C.
Davenport, William John, *a*, *w*, Chattanooga, Tenn. Morehouse C.
Dismond, Henry Binga, *s*, *w*, Chicago. S.B. '17.
Dobbs, Harrison Allen, *a*, *w*, *sp*, Berkeley, Cal. A.B. (U. of California) '16.
Doll, Frank Rolla, *sp*, Chicago. Senior C.
Douglas, Bruce Hutchinson, *a*, *w*, *sp*, Whittier, Cal. A.B. (Whittier C.) '15.
Duiker, Henry, *a*, *w*, Grand Rapids, Mich. A.B. (Hope C.) '15.
Duner, Clarence Swan, *s*, Chicago. Senior C.
Dykstra, Nicholas, Jr., *a*, *w*, *sp*, Chicago. S.B. '17.

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Earle, Walter Clarence, *a, w, sp*, Des Plaines. Senior C.
Eastlake, Alfred Chesmore, *s*, Kansas City, Mo. Senior C.
Ecke, Dodo Hobert, *a, w, sp*, Chicago. S.B. '17.
Egbert, Ivan, *s, a, w, sp*, Logan, Utah. S.B. '17.
Ehrlich, Maximilian Charles, *s*, Chicago. U. of Illinois.
Elder, James Clyde, *s, a, w*, Tarkio, Mo. S.B. (Tarkio C.) '05.
Eldridge, Charles Judson, *s, a, w, sp*, Topeka, Kan. S.B. '16.
Etshokin, Samuel, *s*, Kewanee. Senior C.
Eymundson, Kristbjorn Sigurdur, *a, w, sp*, Pembina, N.D. A.B. (Gustavus Adolphus C.) '16.
Feuerstein, Fred, *a, w, sp*, Chicago. Senior C.
Fink, Harry William, *w, sp*, Chicago. Senior C.
Finkelstine, Belle, *s, a, w, sp*, Chicago. S.B. '16.
Finney, Clarence Eddie McClenahan, *s*, Pittsburgh, Pa. S.B. (Westminster C.) '11.
Fischer, Walter R., *s*, Chicago. U. of Illinois.
Fister, George M., *s*, Logan, Utah. S.B. (Utah Agricultural C.) '12.
Flaten, Amon Peter, *s*, Edinburg, N.D. U. of North Dakota.
Foley, Edmund Francis, *sp*, Chicago. Senior C.
Foord, Alvin George, *a, w*, Murray, Utah. S.B. '16.
Frazer, Eva, *s*, Eugene, Ore. A.B. (U. of Oregon) '12.
Fujimaki, Samuel Yoshitomo, *sp*, Seattle, Wash. Senior C.
Gabler, Anthony Jacob, *s, a, w*, Chicago. Senior C.
Gallagher, William John, *a, w, sp*, Chicago. Valparaiso U.
Galliher, Royal Vaska, *s*, Fairchild, Iowa. S.B. (Parsons C.) '15.
Galloway, Charles Edwin, *s, a, w, sp*, Xenia, Ohio. Senior C.
Gamble, Richard Cotter, *a, w, sp*, Chicago. S.B. '17.
Garlock, DeWitt, *a, w, sp*, Wells, Minn. S.B. '17.
Garner, Jay McKinley, *sp*, Wichita, Kan. S.B. '16.
Gernon, John Henry, *a, w, sp*, Kankakee. S.B. '17.
Go Kee, Francisco, *s*, Manila, P.I. S.B. '16.
Graber, Benjamin Peter, *sp*, Freeman, S.D. Senior C.
Grady, Grover Quintin, *s*, Alden, Kan. U. of Kansas.
Graham, Robert Hugh, *s, a, w, sp*, Monmouth. S.B. (Monmouth C.) '15.
Graven, Philip Siguard, *a, w, sp*, St. Paul, Minn. S.B. '17.
Graves, Ethan Allen, *w*, New Waverly, Ind. Senior C.
Greenstein, Max A., *sp*, Chicago. Senior C.
Grey, Anna Barbara, *a, w, sp*, Evanston. S.B. '17.
Grogan, Robert Earl, *a, w, sp*, Dallas, Tex. A.B. (Baylor U.) '16.
Groom, Horace Ensign, *s, a, w*, Kennewick, Wash. A.B. (Morningside C.) '07.
Grossman, Harry Dewey, *sp*, Chicago. Senior C.
Gumbiner, Benjamin Franklin, *a, w, sp*, Belle Plaine, Iowa. S.B. '17.
Halenbeck, Philip Luther, *a, w*, Duluth, Minn. U. of Minnesota.
Hammond, Aldace Walker, *a, w, sp*, Grinnell, Iowa. S.B. (Grinnell C.) '15.
Hancock, Elmer Russell, *w*, Emerado, N.D. A.B. (U. of North Dakota) '16.
Hantsch, Ferdinand, *a, w, sp*, Chicago. Normal C. of Austria.
Harper, Francis Donald, *sp*, Chicago. Senior C.
Hart, Walter Harry, *a, s, w*, Chicago. S.B. '16.

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Hauser, Irma, *a, w, sp,* Chicago. S.B. '16.
Haynes, Stanley Hewitt, *s,* Minneapolis, Minn. S.B. (U. of Minnesota) '15.
Heaney, Francis Clifford, Jr., *s, a, w, sp,* Cedar Rapids, Iowa. Dartmouth C.
Heath, Faye Rachel, *a, w,* Stuart, Iowa. A.B. (Des Moines C.) '15; S.B. (*ibid.*) '16.
Heatherington, Jean Randolph, *a,* Bellaire, Ohio. Ohio State U.
Heck, Frank LeRoy, *s, w,* Chicago. A.B. (Wittenberg C.) '14.
Henderson, Harold Burrows, *s,* Montgomery, Pa. U. of Pennsylvania.
Hess, Gaylord Ray, *s,* Chicago. S.B. '14.
Heumann, Johanna, *s,* Chicago. S.B. '16.
Hibbert, George Fielding, *a, w, sp,* Chicago. Senior C.
Hibbs, William George, *a, w, sp,* Chicago. S.B. (Franklin C.) '15.
Hixson, Charles Randle, *a, sp,* Aurora. Senior C.
Hofrichter, Cassius Howard, *s,* Cleveland, Ohio. S.B. (Hiram C.) '16.
Hofstra, Richard, *a, w, sp,* Chicago. Senior C.
Hogeboom, George Washington, *a, w, sp,* New Orleans, La. S.B. '16.
Hoover, Roy Michael, *s,* Roanoke, Va. A.B. (Bridgewater C.) '15.
Hough, Wyman George, *s,* Sibley, Iowa. U. of Wisconsin.
Houloose, James, *a, w, sp,* Kalamazoo, Mich. Kalamazoo C.
Hoyt, Lee Turner, *a, w,* Good Hope. Senior C.
Hubbard, John Clark, *a, w, sp,* Willard, Utah. S.B. '17.
Huber, Harry Lee, *s, a, w, sp,* Mattoon. S.B. '13; S.M. '16.
Huckleberry, Evermont Robbins, *s, a, w, sp,* Graham, Tex. Baylor U.
Hunsberger, Harvey Samuel, *s,* Riverside, Cal. A.B. (Olivet C.) '09; A.M. (*ibid.*) '11.
Hunter, Alice Mary, *a, w,* Grand Forks, N.D. A.B. (U. of North Dakota) '14.
Huston, James Mallernee, *s, a,* Los Angeles, Cal. Leland Stanford Junior U.
Ingals, Mary Goodell, *a, w, sp,* Chicago. Senior C.
Inlow, William DePrez, *w,* Manilla, Ind. S.B. '15.
Isacovitch, Harry Julius, *a, w, sp,* Chicago. S.B. '17.
Ivy, Andrew Conway, *a, w, sp,* Cape Girardeau, Mo. S.B. '16; M.S. '17.
Jackson, Sydney Charles, *a,* Madison, Wis. U. of Wisconsin.
Jacobson, LeRoy, *s,* Elkhorn, Wis. U. of Wisconsin.
Jeffrey, James Robinson, *s,* Mortonville, Kan. U. of Illinois.
Jensen, Louis Christian, *a,* Verdon, S.D. S.B. (Sioux Falls C.) '15; Pharm.B. (U. of Minnesota) '14.
Jensen, Viggo Wilhelm, *a, w, sp,* Lakewood, Mich. A.B. (Illinois C.) '15.
Jenson, Conrad Heber, *a, w, sp,* Bear River, Utah. Utah Agricultural C.
Jeschke, Richard Hall, *a, w, sp,* Benton Harbor, Mich. S.B. '17.
Johnson, Broer Rollo, *a, w, sp,* Cadillac, Mich. A.B. (Augustana C.) '15.
Johnson, Orrin A., *w, sp,* Iron River, Mich. Senior C.
Johnston, Florence D., *s,* Cedar Rapids, Iowa. S.B. (Coe C.) '15.
Jones, Durward Roscoe, *a, w, sp,* Lacrosse, Ind. S.B. '17.
Jones, Harold Oakland, *s,* Denison, Tex. A.B. (U. of Texas) '07.
Jones, Lester Martin, *s,* Pickering, Mo. A.B. (Baker U.) '09; D.B. (Union Theological Sm.) '13; A.M. (Columbia U.) '13.
Kahn, Julius, *a, w, sp,* Chicago. S.B. '17.
Kaliski, Sidney Richard, *a, w, sp,* Chicago. S.B. '17.

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Kaplan, Emanuel Mandel, *a, w, sp,* Chicago. Senior C.
Keir, Floyd Earl, *a, w, sp,* Elwood. SB. '17.
Kelly, Frank Brazill, *a, w, sp,* Joliet. Senior C.
Kennedy, Berthold Stamps, *a,* Cornersville, Tenn. S.B. '15.
Kiel, Lee, *a, w, sp,* Sioux Center, Iowa. S.B. '16.
King, Allan Bruce, *a, w, sp,* Chicago. S.B. '17.
Knauer, Sophia Adeline, *a,* Naperville. Northwestern C.
Knox, William Balmer, *s, a, w, sp,* Chicago. St. Cyril's C.
Kostal, Frank, *a, sp,* Chicago. S.B. '17.
Kristensen, William Ambrosius, *a, w, sp,* Nestved, Denmark. Lewis Inst.
Kruse, Walter Edward, *a,* Fort Wayne, Ind. Indiana U.
Larson, Ernest Eric, *a, w, sp,* Scandia, Kan. S.B. '17.
Laus, Clark John, *s,* Chicago. Senior C.
Leggett, George Phelps, *a, w, sp,* Fairfield, Iowa. S.B. (Parsons C.) '14.
Leavey, Harry Barney, *a, w, sp,* Gary, Ind. A.B. (Indiana U.) '16.
Levin, David, *s,* Chicago. S.B. '16.
Levy, Julius, *sp,* Chicago. Senior C.
Lewis, Jacob Kingsland, Jr., *w, sp,* Chicago. A.B. (Harvard) '11.
Lieberthal, Eugene Paul, *a,* Chicago. Northwestern U.
Loomis, Frank Chester, *sp,* Marcus, Iowa. Senior C.
Lowe, Cecil Evan, *a, w, sp,* Severance, Kan. A.B. (Washburn C.) '13.
Lyon, Will Ferson, *a,* Elkhorn, Wis. A.B. (Oberlin C.) '11.
McCarthy, Earl Roach, *s, a, w, sp,* Spokane, Wash. Dartmouth C.
McClure, Ernest Lucas, *a,* Fairfield, Iowa. Ph.B. (Parsons C.) '16.
McCosh, MacEmerson, *s,* Mount Morris. Northwestern U.
McCoy, Harold J., *s, a,* Imperial, Neb. Drake U.
McDonald, Tony Mark, *a, w, sp,* Severy, Kan. S.B. '09.
McKinley, Earl Baldwin, *a,* Wellington, Kan. U. of Michigan.
McPherson, Andrew Frank, *s, a, w, sp,* Bellingham, Wash. U. of Washington.
McVey, Clarence Alfred, *a, w, sp,* Bass, Ind. Senior C.
Magaret, Clarence William, *a, w, sp,* Peoria. S.B. '17.
Manning, James Howard, *a, w, sp,* Bathgate, N.D. Hamline U.
Marks, Julian Barnett, *a,* Oscoda, Mich. U. of Michigan.
Marshall, Ellsworth Glensburn, *s,* Laketon, Ind. A.B. (U. of Indiana) '14.
Matousek, Thomas Joseph, *a, w, sp,* Cicero. Senior C.
Maurer, Siegfried, *sp,* Eugene, Ore. S.B. (Oregon Agricultural C.) '10.
Meeker, William Raymond, *s, a, w, sp,* Hazel Dell. S.B. '15.
Menge, Edward John, *s,* Fond du Lac, Wis. A.B. (U. of Texas) '14; A.M. (*ibid.*) '15; Ph.D. (*ibid.*) '16.
Merriman, John Riley, *s,* Chicago. S.B. (U. of Illinois) '16.
Meyn, Arthur Wesly, *s, a, w, sp,* Chicago. Senior C.
Molander, Charles Oscar, *s,* Chicago. S.B. '14.
Morrow, John Calvin Weir, *s,* Grand Island, Neb. A.B. (Tarkio C.) '10.
Mulsow, Frederick William, *a, w,* Yates Center, Kan. A.B. (Baker U.) '11.
Murchie, John Talmadge, *s,* Tarkio, Mo. S.B. (Tarkio C.) '14.
Murray, Everett Elliot, *a, w, sp,* Winfield, Kan. Southwestern C.
Narland, Silas Clarence, *a, w, sp,* Radcliffe, Iowa. Senior C.
Nathanson, William, *a,* Chicago. C. of Physicians and Surgeons.

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Naylor, Eugene Fay, *a, w, sp,* Murphysboro. Senior C.
Nellans, Charles Thomas, *w,* Chicago. S.B. '16.
Nelson, Karl Magnus, *a, w, sp,* Chicago. S.B. '17.
Newcomb, Frank Simon, *a, w,* Muskogee, Okla. Senior C.
Niblack, Henry Clay, *w, sp,* Marshfield, Mo. S.B. '17.
Nickelsen, William Donald, *a, w, sp,* Hood River, Ore. S.B. '17.
Nienow, Alfred, *s, a, w, sp,* Northfield, Minn. S.B. (Carleton C.) '13.
Nisbet, Oliver Martin, *a, w, sp,* Genesee, Idaho. S.B. (U. of Idaho) '15.
Northrop, Charles A., *a, w, sp,* Kankakee. A.B. (Hillsdale C.) '13.
Numbers, Joseph Rens, Jr., *a, w, sp,* Boise, Idaho. SB. '17.
O'Bannon, Roscoe Paul, *a, w, sp,* Buffalo, Mo. S.B. '17.
Oberhelman, Harry Alvin, *a, w, sp,* Randolph, Kan. S.B. (Northwestern C.) '16.
O'Connor, Edward Bernard, *a, w, sp,* Tonawanda, N.Y. A.B. (Manhattan C.) '16; S.B. '16.
Oppenheimer, Leon Ingraham, *s, sp,* Spokane, Wash. A.B. (Leland Stanford Junior U.) '14.
Orth, Raymond Emerson, *a, w,* Walla Walla, Wash. S.B. (Whitman C.) '16.
O'Toole, Tom Francis, *a, w,* Independence, Iowa. Creighton C.
Owens, Kenneth Hunter, *w, sp,* Plainfield. Ph.B. (U. of Vermont) '13.
Parker, Leon Vasco, *s, a, w, sp,* Minot, N.D. A.B. (Bowdoin C.) '06.
Parmenter, Elbert Smith, *a, w, sp,* Morrison. Knox C.
Pearsall, Charles Roy, *a, w,* Port Byron. A.B. (Knox C.) '96.
Peters, Albert Grover, *s, a,* Gibson City. S.B. '16.
Phelps, Jessie, *sp,* Ypsilanti, Mich. S.B. (U. of Michigan) '94; S.M. (*ibid.*) '98.
Pittinger, Earl Alexander, *s,* Chicago. U. of Michigan.
Pond, Gilbert Palmer, *s, a, w, sp,* State College, Pa. S.B. (Pennsylvania State C.) '15.
Poppens, Peter Heihe, *s, a, w,* Tea, S.D. S.B. '17.
Portis, Bernard, *a, w, sp,* Chicago. Senior C.
Portogallo, Henry Salvatore, *s, a, w, sp,* Chicago. Lewis Inst.
Psota, Frank Joseph, *s, w, sp,* Chicago. S.B. '17.
Raile, Henry, *s, a, w, sp,* Provo, Utah. U. of Utah.
Rawlins, Harvey Francis, *s,* Winchester, Tenn. U. of Louisiana.
Rawlins, Ora Anson, *a, w, sp,* Aurora. A.B. (U. of Indiana) '01; A.M. (*ibid.*) '07; A.M. (Columbia U.) '14.
Reagan, Walter Freemont, *s,* Bridgeport, Ind. A.B. (DePauw U.) '10.
Reed, Howard William, *a, w,* Rhinelander, Wis. U. of Michigan.
Rees, Maurice Holmes, *s, a, w, sp,* Tarkio, Mo. A.M. (U. of Illinois) '05; Ph.D. '17.
Reeve, Roscoe Hulen, *a, w, sp,* Edwardsport, Ind. S.B. '17.
Reilly, James Joseph, *s,* Scranton, Pa. U. of Toronto.
Reynolds, Benjamin Johnson Chapman, *a, w, sp,* Paducah, Ky. Valparaiso U.
Rich, Ciney, *a, w, sp,* Birds. Senior C.
Rimmerman, Jacob Jay, *s, a, w, sp,* Rock Island. Augustana C.
Rogers, Fred Terry, *s,* Henderson, Ky. A.B. (Baylor U.) '11; Ph.D. '16.
Rosenheim, Ethel, *a, w, sp,* Chicago. S.B. '14.
Rubinkam, Wynkoop Henry, *a, w,* Chicago. Senior C.
Rudolph, Abraham Happy, *sp,* Chicago. Senior C.

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Rush, Harold Floyd, *w, sp*, Girard, Kan. Senior C.
Russell, Cecil Kirke, *sp*, Chicago. Senior C.
St. Germain, Albert Leo, *a, w, sp*, Chicago. Northwestern U.
St. Pierre, Edward Walter, Jr., *s*, Salem, Ore. A.B. (Willamette U.) '12.
Samuel, Jacob Herman, *s*, Chicago. Senior C.
Sandock, Isadore, *a, w, sp*, South Bend, Ind. S.B. '17.
Sauer, Henry Charles, *s*, Rutland. Senior C.
Schaller, Clarence H., *sp*, Mendota. Senior C.
Scheftel, Yetta, *a, w*, Chicago. A.B. (Northwestern U.) '06; A.M. '07.
Schlosser, Herbert Karl, *a, w, sp*, Elkhart, Ind. Valparaiso U.
Schmidt, William Gustave, *s*, Philadelphia, Pa. S.B. (U. of Pennsylvania) '13.
Schmitt, Edwin Christian, *s*, Moundridge, Kan. A.B. (U. of Kansas) '12; A.M. (*ibid.*) '13.
Schultz, Carl Emil, *s, a, w, sp*, Oak Park. S.B. '17.
Serbin, William Benedict, *s, a, w, sp*, Chicago. Senior C.
Severeide, Albert Larson, *a, w, sp*, Sutherland, Iowa. A.B. (Grinnell C.) '15.
Shaffer, Earl William, *a, w, sp*, Bridgeport. S.B. (Illinois C.) '16.
Sherman, Mandel, *sp*, Chicago. Senior C.
Shumway, Howard Paine, Jr., *a*, Wakefield, Neb. A.B. (U. of Nebraska) '13; A.M. (*ibid.*) '15.
Sigworth, Dwight Chace, *sp*, Stanton, Neb. S.B. (U. of Nebraska) '15.
Simms, Bennett Thomas, *s*, Corvallis, Ore. Alabama Polytechnic Inst.
Simonson, Irwin Dave, *a, w, sp*, Buena Vista, Col. U. of Colorado.
Siwka, Isidore John, *s*, Detroit, Mich. Detroit C. of Medicine and Surgery.
Smiley, William Allen, *a, w, sp*, Grinnell, Iowa. S.B. (Grinnell C.) '16.
Smith, Arthur Wilson, *sp*, Richmond, Ind. Senior C.
Smith, Carl Morris, *a, w, sp*, Oklaunion, Tex. A.B. (Baylor U.) '15.
Smith, Clarence, *s*, Lawrence, Kan. A.B. (U. of Kansas) '15; A.M. (*ibid.*) '16.
Smith, Edwin Jefferson, *a, w, sp*, Chicago. A.B. (Ripon C.) '14.
Smith, Stuart Luthy, *s, w*, Pittsfield. U. of Illinois.
Soper, Fred Lowe, *s*, Hutchinson, Kan. A.B. (U. of Kansas) '14; S.M. (*ibid.*) '16.
Spalding, Maurice, *a, w, sp*, Vincennes, Ind. Senior C.
Stanton, Robert Hitz, *a, sp*, Madison, Ind. S.B. '17.
Stapleton, Harvey Burr, *s*, Omaha, Neb. Creighton U.
Stieglitz, Hedwig Jacobina, *s, a, w, sp*, Chicago. S.B. '17.
Stone, Edward Jacob, *a, w, sp*, Chicago. Senior C.
Stone, Merlin J., *a, w, sp*, Ogden, Utah. S.B '17.
Strause, Clifford Philip, *a, w, sp*, Peoria. Bradley Polytechnic Inst.
Studer, Edward Franklin, *w, sp*, Chicago. S.B. '17.
Sturges, Mary Mathews, *a, w, sp*, Winnetka. S.B. (U. of Michigan) '93; S.M. '96.
Sutherland, George Fred, *s, a, w, sp*, Grand Island, Neb. A.B. (U. of Illinois) '13; A.M. (*ibid.*) '14; Ph.D. '17.
Sykes, Allen Lee, *sp*, Denton, Mont. Iowa State C.
Taglia, Vito Antonio Desolato, *a, w, sp*, Chicago. S.B. '17.
Tartar, Nicholas Linn, *a, w, sp*, Corvallis, Ore. Oregon Agricultural C.
Thatcher, Harvey Shepard, *s*, Utica, Ohio. A.B. (Ohio State U.) '09.
Theobald, John Joseph, *a, w, sp*, Chicago. S.B. '17.

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Thompson, Kenneth Levi, *s*, West Point, Neb. U. of Nebraska.
Thompson, Raymond Charles, *s, a, w*, Fayetteville, Ark. S.B. (Kansas State Agricultural C.) '08.
Tong, Ming Sing, *a, w, sp*, Kiangau, China. S.B. (Kentucky Wesleyan U.) '15.
Traut, Eugene Fagan, *a, w, sp*, Fond du Lac, Wis. S.B. '17.
Tseo, Pang Yuen, *s*, Nanchang, Kiangsi, China. A.B. (U. of Michigan) '15.
Tucker, Beatrice Edna, *a, w, sp*, Peoria. Bradley Polytechnic Inst.
Van derVelde, Otto, *a, w, sp*, Phillipsburg, Kan. A.B. (Hope C.) '15.
Veach, Oscar Lloyd, *s, a, w*, Helena, Mont. S.B. '17.
Wagner, Louise Dorothy, *a, w, sp*, Chicago. S.B. '17.
Waite, Gilbert Dillon, *s*, Portsmouth, Ohio. U. of Wisconsin.
Waldo, Proctor Cook, *a, w, sp*, Peoria. S.B. '17.
Warden, Ralph Herbert, *a, w, sp*, Wilmore, Ky. S.B. '14; S.M. '15.
Ware, Julian Vivian, *sp*, Chicago. U. of Wisconsin.
Watts, Clyde Franklin, *a, w, sp*, Juliaetta, Idaho. S.B. (U. of Idaho) '13.
Waygood, James Jamison, *s*, Glenside, Pa. Lafayette C.
Weatherford, Harold Lorrane, *sp*, Chicago. A.B. (Leland Stanford Junior U.) '16.
Weinberg, Abraham Joseph, *a, w, sp*, Chicago. S.B. '17.
West, Roy Augustine, *s*, Anthony, Kan. S.B. (U. of Kansas).
Whitaker, Sophie Turman, *sp*, Tampa, Fla. A.B. (C. of St. Elizabeth) '14.
Whiteley, Philip Wade, *a, w, sp*, Bonaparte, Iowa. S.B. '17.
Whitmire, Clarence Leonard, *s*, Waverly, Iowa. U. of Illinois.
Wien, Max Samuel, *a, w, sp*, Chicago. S.B. '17.
Wilcox, Harry Slater, *s*, Little Falls, N.Y. S.B. (Trinity C.) '08; A.M. (Harvard U.) '11.
Williams, Chester Henry, *a, w, sp*, Ironwood, Mich. S.B. '17.
Williams, Delon Acree, *s*, Murray, Ky. S.B. '15.
Williams, James Lisle, *s*, Chetopa, Kan. A.B. (U. of Kansas) '15; A.M. (*ibid.*) '16.
Wills, Irving, *a, w, sp*, Watsonville, Cal. U. of California.
Wilmoth, Clifford Lee, *a, w, sp*, Topeka, Kan. Monmouth C.
Wilson, James Woodrow, *s*, Chicago. Northwestern U.
Wimmer, Robert Norris, *sp*, Logansport, Ind. Senior C.
Wolf, Elizabeth Pauline, *a, w, sp*, Indianapolis, Ind. Butler C.
Wong, Henry Yun, *s, a, w, sp*, Kwangtung, China. A.B. '16.
Woolfan, Emanuel Bertrand, *a, w, sp*, Hibbing, Minn. U. of Michigan.
Zarobsky, Henry James, *a, w, sp*, Chicago. S.B. '17.

MEN—319 WOMEN—27 TOTAL—346

SPECIAL STUDENTS TAKING MEDICAL COURSES

Arentz, Elizabeth, *w, sp*, Joliet. U. of Illinois.
Armstrong, Margaret Elizabeth, *sp*, Des Moines, Iowa. S.B. (Drake U.) '07; M.D. (*ibid.*) '10.
Arnavson, Jon Skuta, *sp*, Winnipeg, Canada. A.B.
Austin, William Clardy, *s*, Clinton, S.C. Presbyterian C. of South Carolina.
Avner, Jules, *a*, Roxbury, Mass. McGill U.
Barker, Myrtle Elizabeth, *a, w, sp*, Portage, Wis. S.B. '17.

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Behre, Elinor Helene, *w*, New Orleans, La. A.B. (Radcliffe C.) '08.
Berry, Ernest Lee, *s*, Chicago. A.B. (Illinois C.) '13.
Boucher, Samuel Doid, *s*, Lovejoy, Pa. Grove City (Pa.) C.
Brandes, Leo, *w*, *sp*, Chicago. Senior C.
Buchanan, Howard, *s*, *sp*, Monmouth. Monmouth C.
Buchbinder, William, *w*, *sp*, Chicago. Senior C.
Burns, Dean Carl, *w*, *sp*, Petoskey, Mich. Senior C.
Cady, Kathryn Powell, *s*, Minneapolis, Minn. Mankato (Minn.) Normal S.
Cady, Lawrence Hammond, *s*, Minneapolis, Minn. A.B. (U. of Minnesota) '14.
Caldwell, George Thomas, *a*, *sp*, Columbus, Ohio. A.B. (Ohio State U.) '13; A.M. (*ibid.*) '13.
Canine, Ralph Julian, *s*, East Chicago, Ind. S.B. (Northwestern U.) '16.
Carey, Thomas Sheridan, *s*, Los Angeles, Cal. Leland Stanford Junior U.
Carr, Eugene Morrison, *s*, Albuquerque, N.M. A.B. (U. of Pennsylvania) '13.
Choate, Helen Ashhurst, *w*, Essex, Mass. A.B. (Smith C.) '04; A.M. (*ibid.*) '09.
Clarke, Elton Russell, *s*, Indianapolis, Ind. A.B. (Butler C.) '15.
Clayton, Edward Eastman, *w*, Chicago. S.B. (Ohio State U.) '16.
Cope, Henry Ervin, *w*, *sp*, Chicago. S.B. '16.
Coulter, Merle Crowe, *w*, Chicago. S.B. '14.
Cryst, James Henry, *a*, East Ely, Nev. Senior C.
Culbertson, James Bernard, *sp*, Shelbina, Mo. A.B. (Central C.) '13.
Davis, George William, *s*, Marshall, Mo. S.B (Missouri Valley C.) '11.
Denton, Minna Caroline, *w*, *sp*, Oak Park. S.B. (U. of Michigan) '00; A.M. (*ibid.*) '01.
Donaldson, Arthur Norton, *s*, Loma Linda, Cal. C. of Medical Evangelists.
Dye, Alma (Mr.), *s*, Basalt, Idaho. Brigham Young U.
Ecker, Enrique Edwards, *a*, *sp*, Curacao, Dutch W.I. Dutch Agricultural C. of Holland.
Ehrmann, Evelina Wilhelmina, *a*, *w*, *sp*, LaGrange. S.B. '17.
Eichenbaum, Bertha, *s*, Corning, Ohio. A.B. (Northwestern Reserve U.) '14.
Eiss, Daniel Warrington, *s*, Chicago. Northwestern U.
Elkins, Alfred John, *a*, Savannah, Ga. Atlanta U.
Faust, Ernest Carroll, *s*, Champaign. A.B. (Oberlin C.) '12.; A.M. (U. of Illinois) '14.
Fink, Emanuel Bernard, *w*, Chicago. S.B. '14.
Fleugel, James Bush, *a*, Kalamazoo, Mich. Kalamazoo C.
Fogelson, Samuel Julian, *sp*, Chicago. Junior C.
Ford, Bert Thomas, *sp*, Salem, Ore. U. of Oregon.
Ford, Carlotta Marks, *s*, Geneva. A.B. (U. of Illinois) '11.
Fowler, Kenneth, *s*, Dallas, Tex. A.B. (Austin C.) '14.
Frank, Elsie Margaret, *a*, *w*, Columbus, Ohio. S.B. (Ohio State U.) '14.
Fraser, Henry Earl, *s*, Bowling Green, Ky. S.B. (Vanderbilt U.) '12; M.D. (*ibid.*) '15.
French, Henry Sumner, *s*, Northfield, Minn. S.B. (Carleton C.) '15.
Gaston, John Zell, Jr., *a*, *w*, *sp*, Houston, Tex. Senior C.
Gidley, William Francis, *s*, West Lafayette, Ind. S.B. (U. of Michigan) '08.
Gifford, Sanford Robinson, *s*, Omaha, Neb. A.B. (Cornell U.) '13.
Gill, John Joseph, *a*, Chicago. Northwestern S. of Pharmacy.

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Gilman, Joseph Charles, *s*, Ripon, Wis. S.B. (U. of Wisconsin) '12; Ph.D. (Washington U.) '15.
Gordon, John Everett, *a*, *sp*, Chicago. S.B. '16.
Greisheimer, Esther Maud, *w*, *sp*, Chillicothe, Ohio. S.B. in Ed. (Ohio U.) '14; A.M. (Clark U.) '16.
Grozin, Maurice, *s*, Cleveland, Ohio. Western Reserve U.
Hall, Clark Homer, *s*, Amsterdam, Mo. U. of Missouri.
Hancock, Virgil Kinney, *s*, Coupeville, Wash. S.B. (U. of Washington) '16.
Harper, Francis Donald, *sp*, Chicago. Senior C.
Harrington, Frederick Butler, *s*, Shakopee, Minn. A.B. (Oberlin C.) '06; A.M. (U. of Minnesota) '11.
Harris, David Earl, *a*, Lago, Idaho. Senior C.
Harrison, Charles William, *s*, Loma Linda, Cal. C. of Medical Evangelists.
Harsha, William Thomas, *a*, *w*, *sp*, Chicago. M.D. (Northwestern U.).
Hayes, Margaret Anastatia, *w*, *sp*, Chicago. Senior C.
Hill, Emory, *s*, Chicago. A.B. (Columbia U.) '04; M.D. (Medical C. of Virginia) '07.
Holaday, Horace Asa, *s*, Moscow, Idaho. A.B. (U. of Colorado) '11.
Hruby, Frank Edward, *sp*, Chicago. Junior C.
Ingals, Ephraim Fletcher, Jr., *w*, Chicago. Senior C.
Isenberger, Jerome C., *s*, Chicago. A.B. (Indiana U.) '10.
Just, Ernest Everett, *s*, Washington, D.C. A.B. (Dartmouth C.) '07; Ph.D. '16.
Kimball, Oliver Perry, *s*, London, Ohio. S.B. '14.
Klebans, Sophia, *a*, *sp*, Chicago. Senior C.
Klein, Samuel, *a*, Chicago, Senior C.
Knapp, Carl William, *s*, Fulton, Mo. A.B. (U. of Iowa) '06.
Kohman, Emma Anna, *w*, *sp*, Dillon, Kan. S.B. (U. of Kansas) '16.
Kreamer, Laura E., *a*, Arkansas City, Kan. A.B. (U. of Kansas) '05.
Kurk, Fred William, *a*, Louisville, Ky. S.B. (U. of Louisville) '15.
Lambert, Fonsa Allan, *s*, Columbus, Ohio. Ohio State U.
Lambird, Clifford David, *a*, Newton. Senior C.
LaMer, Victor Kuhn, *s*, Leavenworth, Kan. A.B. (U. of Kansas) '15.
Lashkówitz, Abe, *w*, *sp*, Chicago. Senior C.
Lawson, Lawrence James, *sp*, Petersburg. Junior C.
Leavell, Gladys, *s*, Chicago. A.B. (Illinois Woman's C.) '11; S.M. '13.
Lederer, Francis L., *sp*, Chicago. Junior C.
Lee, Charles Oren, *s*, Richmond, Va. S.B. in Pharm. (U. of Kansas) '13.
Leeming, James Whitney, *a*, Chicago. Senior C.
Lepke, Joseph Elmer, *a*, *w*, Anaconda, Mont. Senior C.
Lerchi, Thorleif Iverson, *a*, *w*, Larwik, Norway. Dental C., U. of Illinois.
Levy, Augustus, *s*, Geneva, N.Y. S.B. (U. of Pennsylvania) '09.
Lieber, Conrad Hugo, *a*, Jamaica Plain, Mass. S.B. (Massachusetts Agricultural C.) '16.
Lui, Sik Chew, *sp*, Honolulu, H.I. U. of Illinois.
Lynch, Amos Livingston, *a*, Roopville, Ga. Morehouse C.
Lynn, Frank Joseph, *s*, Chicago. De La Salle Inst.
McArthur, Clifford Leslie, *s*, Fayetteville, Ark. S.B. (Oklahoma Agricultural and Mechanical C.) '11; S.M. (U. of Idaho) '12.

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McCann, Ezelle, *s*, Chicago. Mississippi C.
McElroy, Clarence Hamilton, *s*, Stillwater, Okla. Oklahoma Agricultural and Mechanical C.
McNeal, Alice, *w*, Chicago. Lewis Inst.
Masterton, Edward Lincoln, *sp*, Chicago. Senior C.
Matzel, Albert Joseph, *s*, St. Louis, Mo. St. Louis U. Academy.
Maver, Mary Eugenia, *s*, Chicago. S.B. '14.
Maxwell, Helen Dorothy, *a*, Omaha, Neb. Senior C.
Miller, Francis Joseph, *s*, St. Marys, Kan. St. Marys C.
Mitchell, Grant E., *s*, Chicago. Chicago C. of Osteopathy.
Morgan, Anna Haven, *s*, New London, Conn. A.B. (Cornell U.) '06; Ph.D. (*ibid.*) '12.
Morgan, Hugh Jackson, *s*, Nashville, Tenn. S.B. (Vanderbilt U.) '15.
Moser, Rollin Henry, *sp*, Aurora. Northwestern C.
Myers, John Tennyson, *s*, Eskridge, Kan. S.B. (Washburn C.) '11; S.M. (U. of Kansas) '12.
Norman, Fred Edward, *s*, Pueblo, Colo. U. of Iowa.
Obenchain, Jeanette Brown, *w*, Chicago. Ph.B. '06.
Olson, Ernst, *sp*, Chicago. Junior C.
Pangburn, Edward Weddell, *s*, Elizabeth, Pa. U. of Pennsylvania.
Patterson, George Hill, *sp*, Chicago. Junior C.
Peet, Charles Emerson, *s*, Chicago. S.B. (U. of Wisconsin) '92.
Phelps, Jessie, *s*, Ypsilanti, Mich. S.M. (U. of Michigan) '98.
Pierce, Emma Ruth, *w*, Chicago. Senior C.
Pok, Anthony John, *s*, Chicago. Northwestern U.
Reed, Carlos Isaac, *s*, Columbus, Ohio. A.B. (Ohio State U.) '15.
Reinertsen, Bernhard Reynold, *s*, Elk Point, S.D. A.B. (Agricultural C.) '14.
Roberts, Edward Noel, *sp*, Wind River, Wyo. A.B. (U. of Oxford) '13.
Roseboom, Benjamin Brokaw, Jr., *s*, East Lansing, Mich. S.B. (Hamilton C.) '08.
Ross, Gilson, *w*, Delphos, Kan. Senior C.
Ross, Vera, *a*, Pontiac. Randolph-Macon C.
Ryerson, Susan Parker, *a*, *w*, *sp*, Chicago. S. for Social Workers, Boston.
Salmonde, Herbert Francis, *s*, Westfield, Mass. Mass. Inst. of Tech.
Schmitz, Henry Leuzen, *w*, Chicago. Senior C.
Schott, John Edward, *sp*, Silver Creek, Neb. S.B., A.M. (U. of Nebraska) '14 and '15.
Setzer, George Warren, *sp*, Aurora. Junior C.
Sharp, William Bernard, *a*, Nashville, Tenn. A.B. (U. of the South) '10; S.M. '14.
Sheaff, Howard Martin, *a*, *w*, *sp*, Hastings, Neb. A.B. (U. of Nebraska) '10.
Sheldon, Paul Benedict, *a*, Webster Groves, St. Louis, Mo. Oberlin C.
Shipley, Carl Vinnedge, *s*, Dayton, Ohio. Northwestern U.
Sidell, Roscoe Roy, *s*, Joliet. Ph.B. (U. of Wooster) '08.
Sihler, Charles Harold, *sp*, Litchfield. McGill U.
Silverman, Maurice, Slutzk, Russia. Senior C.
Simpson, John Nathan *s*, Morgantown, W.Va. A.B. (U. of Nashville) '93; M.D. (Johns Hopkins U.) '02.
Smith, Clayton Sidney, *s*, Chicago. S.B. (Rutgers C.) '09; S.M. (*ibid.*) '12; Ph.D. (Columbia U.) '13.
Smith, Walter Braman, *a*, *w*, Waukesha, Wis. A.B. (Carroll C.) '12.

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Starin, Louis Martin, *s*, Ames, Iowa. A.B. (U. of Kansas) '15.
Stevenson, Louisa Sonte, *s*, Lowell, Mass. A.B. (Vassar C.) '01; Ph.D. (Cornell U.) '11.
Stewart, Elvie Nathan, *w*, *sp*, Baldwin City, Kan. A.B. (Baker U.) '14.
Stickel, Earl, *w*, Davenport, Iowa. Senior C.
Stieglitz, Edward Julius, *a*, *w*, Chicago. Senior C.
Sturgeon, William Elias, *s*, Waco, Tex. A.B. (Texas Christian U.) '07.
Sullivan, Andrew Joseph, *a*, Chicago. Senior C.
Sutherland, Arthur Howard, *s*, New Haven, Conn. A.B. (Grand Island C.) '99; Ph.D. '09.
Taft, Clara Enola, *a*, *w*, Kennett Square, Pa. A.B. (Wellesley C.) '15.
Tainter, Rolfe, *s*, Hawley, Minn. Northwestern U.
Taylor, Miriam Wetmore, *s*, Grinnell, Iowa. A.B. (Grinnell C.) '14.
Thompson, Richard Yoder, *s*, West Point, Neb. A.B. (U. of Nebraska) '16.
Tratner, Abe Joseph, *w*, Chicago. Senior C.
Trimble, Clara Eugenia, *s*, Chicago. A.B. (U. of Illinois) '04.
Truesdell, Benjamin William, *s*, Wichita, Kan. Senior C.
Victorson, Ruth Marie, *w*, Chicago. S.B. '16.
Wago, Hinosuka, *s*, *a*, *w*, *sp*, Tokyo, Japan. Tokyo Medical C.
Wakefield, Howard, *w*, *s*, Chicago. Senior C.
Wanninger, Horace, *a*, Chicago. Senior C.
Ware, Julian Vivian, *s*, Chicago. U. of Wisconsin.
White, Dorothy Alberta, *a*, Akron, Ohio. Senior C.
Wilkie, Margaret Donald Erskine, *w*, *sp*, Asheville, N.C. Kentucky State U.
Willd, John Arthur, *a*, Hoffman, Minn. Senior C.
Willds, Elmer Harrison, *s*, Mitchell, S.D. A.B. (Allegheny C.) '10.
Worthing, Hugh Otis, *s*, Oakfield, Wis. A.B. (U. of Wisconsin) '15.
Zentmire, Zelma, *s*, Ames, Iowa. S.B. (Iowa State C. of Agriculture) '11; S.M. (*ibid.*) '15.

MEN—127 WOMEN—34 TOTAL—161

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THE COLLEGE OF EDUCATION

Abernethy, Edith, *s, a, w, sp,* Batavia. U. of Southern California '12.

Abry, Cecelia Frances, *s,* Vincennes, Ind. Vincennes Hs. '12; Vincennes U. 1912–13; Purdue U. 1913–14.

Abry, Georgia Laura, *a, w, sp,* Vincennes, Ind. Vincennes Hs. 13; Vincennes U. 1913–14.

Adair, Sadie Kirk, *s,* Claremore, Okla. Cherokee Female Sm. '08; Northwestern State Normal S. of Oklahoma '11.

Adair, Samuel L., *s,* Quincy. U. of Wisconsin '15; Bradley Inst. '14; Western Illinois State Normal S. 1906–13.

Adams, Alta Bee, *s,* Des Moines, Iowa. Shelby Hs. '08; Drake U.

Adams, Birdie F., *s,* Pueblo, Colo. Loretto A.

Adams, Emma G., *s,* Chicago. Colorado C. 1910–11.

Adams, Georgia Kirk; *s,* Waukegan. Waukegan Hs. '02; Northern Illinois State Normal S. 1902–3.

Adams, Olga, *s,* Joliet.

Addicks, Fedora, *a, w, sp,* Chicago. Erasmus Hall Hs. '13.

Addicks, Helene, *a, w, sp,* Chicago. Erasmus Hall Hs. '13.

Aery, Rhena, *s,* Winamac, Ind. Winamac Hs. '10; Terre Haute Normal S. '11; Purdue U. '13.

Agren, Rosa Ellen, *s,* Ogden, Utah.

Aikin, Florence Low, *s,* Duluth, Minn. Duluth Hs. '05; Michigan State Normal C. '11.

Albert, Jessie Sutton, *s,* Muskegon, Mich. Jamestown Hs. '99; Central Michigan Normal S.

Albert, Lynn Binkley, *s,* Muskegon, Mich. Dansville Sm.; Central Michigan Normal S.

Albritton, Claude Cleveland, *s,* Blooming Grove, Tex. Kerens Hs. '02; Sam Houston State Normal S. '07.

Albritton, Mrs. Iris S., *s,* Blooming Grove, Tex.

Alexander, Alliene Rhea, *s,* Jackson, Tenn. Jackson City School 1886–1906; M.C.F. Inst., Jackson, Tenn., 1906–8.

Alexander, Evelyn Margaret, *a, w, sp,* Chicago. Wendell Phillips Hs. '12; Art Inst. '16.

Alexander, John Talmadge, *s,* Elgin, Tex. Stockdale Hs.; U. of Texas 1909–10.

Alexander, Mabel Lucette, *s,* Lake Geneva, Wis. Lake Geneva Hs.; Whitewater Normal S. '12.

Allan, Elizabeth Emma, *a, w, sp,* Chicago. Hyde Park Hs. '16.

Allbaugh, Edgar B., *s,* Clay Center, Kan. Kansas State Normal S. 1901.

Allen, Gertrude, *s, w, sp,* Kansas City, Mo. Manual Training Hs. '10.

Allen, Inez Teare, *s,* Waukesha, Wis. Augusta, Wis., Hs. '03; Slont Inst., Menomonie, Wis., '12.

Allen, Rachel Willie, *s,* Kingsland, Ark. Kingsland Hs. '14; Eastern Illinois Normal S.

Alley, Mary Jane, *s,* Goshen, Ind. Goshen C. 1906–10; Winona C. '07.

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Allman, Dorothy F., *a, w, sp,* Chicago. Hyde Park Hs. '13.
Alsup, Nellie Ann, *s,* Austin, Tex. Southwestern Texas State Normal S. '11.
Altick, Bessie May, *s,* Chicago. Calumet Hs. '13; Chicago Normal S. '15.
Andersen, Mildred Alma, *a, w, sp,* Chicago. Hyde Park Hs. '16.
Anderson, Cordelia, *s,* Manti, Utah. Brigham Young U.
Anderson, Mrs. Ella Goodner, *w,* Normal. Charleston Hs.; Oxford C.
Anderson, Ida Mae, *s,* Sparta. Sparta Hs. '03; Southern Illinois Normal S. '15.
Anderson, Marguerite Cason, *s,* Maywood, Mo. Howard Payne C. '14.
Andrew, Ethel H., *s,* Milwaukee, Wis. Mariette Hs. '95; Milwaukee Normal S.
Andrews, Jeannette Anne, *s,* Crystal Lake. Harvard, Ill., Hs. '12; De Kalb State Normal S. '13.
Andrews, Marie Ward, *s,* Springfield, Mo. Lincoln Hs. '08.
Andrews, Mary Emily, *s,* Helena, Tex. North Texas State Normal S. '14.
Anstatt, Lizzie C., *s,* Louisville, Ky. Girls' Hs. '81; Louisville Normal S. '86.
Anthony, Cora Alice, *a, w, sp,* Chicago. Schurz Hs. '13.
Apell, Ausgar Adolph, *s, a, w, sp,* Chicago. Stevens Point Normal S. '15.
Appelt, Theodore, *s,* Chicago.
Arlington, Gladys Louise, *a, w, sp,* Chicago. Evanston A. '13; Lewis Inst. '15.
Armstrong, Sue, *s,* Oak Park. Oak Park Hs. '06.
Arnold, Charles A., *s,* San Antonio, Tex. San Antonio Hs. '85; U. of Texas '99.
Arrington, Ella B., *s,* Chicago. Georgetown Hs.; Kentucky Normal S. 1907–10.
Ascher, Marie, *s,* Jackson, Miss. St. Joseph A., Jackson, '08; Industrial Inst. and C.; Newcomb School of Art, New Orleans, '14.
Ashby, Berenice, *s,* Evansville, Ind. Danville Normal S. 1905–6; Indiana State Normal S. 1907–8; Bradley Polytechnic Inst. 1914–15.
Ashworth, Maynard, *s,* Warrensburg, Mo. State Normal S., Warrensburg, '15.
Askins, Clyde, *s,* Marion. Marion Hs. '12.
Askins, Nelle Owen, *s,* Marion. Marion Hs. '10.
Augustine, Mable Irene, *a, w, sp,* Aspen, Colo. Aspen Hs. '10; Colorado State Teachers' C. '14.
Augustus, Annabell, *s,* Louisville, Ky. Girls' Hs. '95; Louisville Normal S. '97.
Avent, Maggie, *s,* Amarillo, Tex. Hamilton, Tex., Hs. '07; West Texas State Normal S. '13.
Avery, Laura, *s,* Joliet. Joliet Township Hs. '01.
Bagby, Robert B., *sp,* Chicago. Quincy Hs.; Lewis Inst. A.
Bailey, Cora Murray, *s,* Foreman, Ark. Foreman Hs. '10.
Baker, Emma Corinne, *s,* New Orleans, La. Deshler, Ohio, Public S. '93; Wilberforce, Ohio, State Normal S. '03; Michigan Agricultural C. '05; Columbia U. '15.
Baker, Jessie, *s,* Kansas City, Mo. Kansas City Hs. '00.
Baker, Susie K., *s,* Montgomery City, Mo. Montgomery City Hs. '08; Kirksville State Normal S., Summers 1913–15.
Bäkken, Olava G., *a, w, sp,* St. Ansgar, Iowa. St. Olaf C. 1904–5.
Baldwin, Margaret, *s,* Greenfield, Ind. Indiana State Normal S. '07.
Ball, Mary C., *s,* San Diego, Tex. San Diego Hs. '08; St. Mary's C., Dallas, 1908–12.
Baller, Edith Gertrude, *a, w, sp,* Chicago. Pomona Hs. '14; Los Angeles State Normal S. '16.

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Baller, Theresa Elvira, *a, w, sp*, Chicago. Golden Hs. '07; B.Ped. (Colorado State Teachers' C.) '10.

Banks, Edna, *s*, Hobart, Okla. Hobart Hs. '10.

Banks, Edna Celest, *s*, Houston, Tex. Houston Hs. 1908–10; Prairie View State Normal S. 1910–13.

Bardsley, Bessie Clara, *s*, Spokane, Wash. Neola Hs. '95; Iowa State Normal S., Cedar Falls, '99.

Barger, Edith May, *s*, Hammond, Ind. Hampton Hs.; Iowa State Teachers' C.

Barker, Nora J., *s*, Memphis, Tenn. Meridian, Tex., Hs. '96.

Barnes, Coral Selma, *sp*, Iowa City, Iowa. Iowa City Hs. '15; Iowa State Teachers' C. 1915–16; Iowa U., Summers 1915–16.

Barnes, Jean McIlwain, *s*, Montgomery, Ala. Lanier Hs. '13.

Barney, Marian V., *s*, Des Plaines. McKinley Hs. '09; Illinois State Normal U. 1913–14.

Barr, Mrs. Marian I., *s*, Clinton, Iowa. Clinton Hs. '92; Ames C. 1907–8; Columbia U., Summer '12.

Barrett, Katie, *s*, Bonham, Tex. Bonham Hs. 1907–11; North Texas State Normal S. '14.

Barry, Alberta E., *s*, Louisville, Ky. Central Colored Hs. '04; Central Colored Normal S. '06.

Bartholomew, Myrtle D., *a*, Batavia. Batavia Hs. '98; Wheaton C. '01.

Baskin, Annie, *s*, Independence, Mo. Independence Hs. '06; State Normal S., Warrensburg, '15.

Bassler, Herman John, *s*, Plainfield. U. of Nebraska.

Bassow, Solomon H., *sp*, Guernsey, Wyo. New York Preparatory S. 1909–10; Valparaiso U. '14; S.B. (Valparaiso U.) '13.

Bates, Elsie Sarah, *s*, Boone, Iowa. Boone Hs. '07; Highland Park C. '11; A.B. (Des Moines C.) '16.

Bauman, Edward George, *a*, Quincy. Indiana State Normal S. '90; Ph.B. (Illinois Wesleyan U.) '96; A.M. (*ibid.*) '99.

Bauman, Nellie Louise, *a*, Chicago. Chicago Normal S. '15.

Baumgartner, John, *s*, Brinkley, Ark. S.B. (Valparaiso U.) '11; Ped.B. (*ibid.*) '11; A.B. (*ibid.*) '14.

Bayliss, Zoe Burrell, *a, w, sp*, Macomb. Hyde Park Hs. '99; Western Illinois State Normal S. '14.

Beadles, Ethel, *s*, Hume, Mo. Kansas State Normal S. '08.

Beal, Susan, *s*, Bertram, Tex. Southwest Texas State Normal S. '07.

Beasley, Edna Gertrude, *a, w, sp*, Abilene, Tex. A.B. (Simmons C.) '14.

Beatty, Edward, *s*, Warrensburg, Mo. State Normal S., Warrensburg, '04.

Becker, Florence, *a, w, sp*, Davenport, Iowa. Davenport Hs. '15.

Bedell, Earl L., *s*, Detroit, Mich.

Bedinger, Mary, *s*, Atlanta, Ga. Atlanta Hs. 1908–11; Agnes Scott C. 1911–13; Atlanta Normal S., Summer '15.

Beeley, Arthur L., *s*, Provo City, Utah. Manchester, England, Public School, '02; A.B. (Brigham Young U.) '13.

Beeley, Mrs. Glenn Johnson, *w*, Provo City, Utah. A.B. (Brigham Young U.) '15.

Behrendt, Mildred Ruth, *a, w*, Chicago. Schurz Hs. '15.

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Belau, Alice Caroline, *s*, Chicago. Le Mars, Iowa, Hs. '91.
Belden, Pearl, *s*, Hamilton, Ohio. Hamilton Hs. '02.
Bell, Bruce B., *s*, Flora, Ind. Flora Hs. '05; Indiana State Normal S. '09; Indiana U. 1911–12; Bradley Polytechnic Inst. '14.
Bell, Helen Luetta, *s*, Springfield. Springfield Hs. '14; Springfield Teachers' Training S. '15.
Bell, Mary Elizabeth, *a*, *w*, *sp*, Washington, Iowa. Washington Hs. '16.
Bell, Moffett, *s*, Fort Smith, Ark. Fort Smith Hs. '15.
Bell, Nina Zelia, *s*, Kansas City, Mo. Smith C., Sedalia, Mo., 1899–1901.
Belmar, Gertrude, *s*, Bayfield, Colo. Military A., Jackson, Mo., '02; Missouri C. '04; Missouri U., Summers '10, '12; Colorado State Teachers' C. '13; Colorado U., Summer '14.
Belting, Lucretia Jane, *s*, *a*, *w*, *sp*, Charleston. Mattoon Hs. '01; Eureka C. 1904–5.
Benedict, Greta, *s*, Ionia, Mich. Ionia Hs. '98; National Kindergarten C. '03; South Bend Training S. '12.
Benedict, Nina, *s*, Louisville, Ky. Western Hs., Baltimore, Md.
Benham, Elizabeth D., *s*, Charlevoix, Mich. Central Michigan Normal S.
Bennett, Catherine Maude, *sp*, Chicago. Hyde Park Hs. '17.
Bentley, Edna Burgess, *s*, Cleveland, Ohio.
Benton, Weltha Lee, *s*, Grainfield, Kan. St. Mary's Hs. '00; Bethany C. '04; State Manual Training Normal S. '14.
Berg, Mable Emelia, *a*, *w*, *sp*, Chicago. Englewood Hs. '16.
Berry, Helen Louise, *s*, Oklahoma City, Okla. Oklahoma City Hs. '15.
Bertrams, Mathilda E., *a*, *w*, *sp*, Chicago. Schurz Hs. '14.
Bevenger, Iva M., *s*, Middletown, Ohio. Middletown Hs. '90.
Bienenstok, Dorothy, *a*, *w*, Chicago. Hyde Park Hs. '16.
Biery, Calvin J., *s*, Bowling Green, Ohio. S.B. (Ohio Northern U.) '89.
Biggerstaff, Margaret, *s*, Plattsburg, Mo. Plattsburg Hs.; Kirksville Normal S. 1905–10; U. of Missouri.
Binford, Virgil Francis, *s*, Carthage, Ind. Indiana U. 1909–10; Purdue U., Summer '14.
Birkelund, Oda, *s*, Park Ridge. Schurz Hs. '12; U. of Wisconsin 1912–14.
Birkhead, Anne E., *s*, Carthage, Mo. Carthage Public S. '12; State Normal S., Warrensburg, '14.
Birkhoff, Isabel Agatha, *a*, *w*, *sp*, Chicago. Hyde Park Hs. '16.
Bjorklund, Anna Eleanor, *s*, Chicago.
Blachly, Irma Kathleen, *s*, Van Wert, Ohio. Van Wert Hs. '11; Thomas Normal S., Detroit, Mich., '14; Lake Erie C., Painesville, Ohio, 1911–13.
Black, Ella Edith, *s*, Montgomery City, Mo. Wellsville, Mo., Hs. '09; Kirksville State Normal S. '14.
Black, La Cene, *s*, Carbondale. University Hs., Carbondale; Southern Illinois Normal S. '13.
Blackhurst, James Herbert, *a*, Midland, Mich. Ferris Inst. '13; Michigan State Normal C.
Blazier, Florence Emma, *s*, Rock Island. Muncie Hs. '07; Bradley Inst. '13.
Blessin, Henrietta, *s*, Eldorado, Iowa. South Division Hs. '01.
Block, Maurice, *s*, *a*, *w*, *sp*, Galion, Ohio. Galion Hs. '06.

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Blodgett, Betsy M., *a, w,* Harvey. Manistee, Mich., Hs.; Central Michigan Normal S. 1907–10.

Blom, Katherine Madaline, *s,* Keokuk, Iowa. Keokuk Hs. '15.

Blomquist, Marvel, *s,* Richfield, Utah. Richfield Hs.; Brigham Young U. '11; U. of Utah, Summer '13.

Bloye, Amy Irene, *s, a, w, sp,* Stevens Point, Wis. Stevens Point Hs. '08; Stevens Point State Normal S. '10; Pratt Inst. '14.

Bodenschatz, Charlotte E., *s,* Chicago. Tuley Hs. '98; Chicago Teachers C. 1899.

Boller, Anna Elizabeth, *a, w, sp,* Chicago. Hyde Park Hs. '13; Lewis Inst. '15.

Bollman, Betty Adelaidé, *s,* Palatine. Winona State Normal S. '08; De Kalb Normal S. '12.

Bonner, Mabel Jacqueline, *s,* Corsicana, Tex. Corsicana Hs. '11.

Booher, Edith Fern, *s,* Armour, S.D. Armour Hs. '09; Yankton C. '11.

Booher, Eleanor Estella, *a, w,* Dayton, Ohio. Steel Hs., Dayton, '09; Miami U.; Ohio State Normal S. 1914.

Boomer, Rani, *a, w, sp,* Chicago. Wendell Phillips Hs. '14; Lewis Inst. '16.

Booth, Marian, *s,* Fort Worth, Tex. Fort Worth Hs. '13; Texas Christian U. 1913–15.

Boren, Howard Gilmore, *s,* Youngstown, Ohio. Struthers Hs. '12; Kent Normal S.; Grove City C. 1914–15.

Bosier, Aliff Margaret, *a, w, sp,* Kansas City, Neb. Wichita Hs. '15; Fairmount C. '16.

Bostaph, Ione Vivian, *s, a, w, sp,* Harvey. Thornton Township Hs. '12.

Bostedor, Edna Belle, *s,* Eaton Rapids, Mich. Central Michigan Normal S. '12.

Bostetter, Ruth Amelia, *w, sp,* Sturgis, Mich. St. Mary's C. '15.

Botkin, Francis, *s,* Baldwin City, Kan. Winfield, Kan., Hs. '10; Baker U. 1913–15.

Boucher, Ann Loretta, *w, sp,* Chicago. Mankato, Minn., State Normal S. '16.

Boughton, Edith May, *s,* Wilmette. Chicago Free Kindergarten Association '00.

Bowe, Margaret Mary, *a, w, sp,* Joliet. Joliet Hs. '16.

Bowen, Ray L., *w, sp,* Quincy, Mich. Quincy Hs.; Western State Normal S; Central Michigan Normal S.

Bower, Hazel Alice, *s,* Great Falls, Mont. Great Falls Hs.; Lasell Sm., Auburndale, Mass.

Bowlin, Gladys, *s, a, w, sp,* Tipton, Ind. Winona C. '11; Valparaiso U. '12.

Bowman, Emma Belle, *s,* Louisville, Ky. Tuskegee Inst. '11.

Bowman, Rebecca, *s,* Richmond, Va. Richmond Normal Hs. '05; Columbia U. '11.

Boyd, Helen C., *s,* Williamsport, Ind. Williamsport Hs. '11; Teachers C., Indianapolis, '13.

Boyd, Virginia Anne, *s,* Sherman, Tex. Columbia Inst. '99; L.B. (Hamilton C.) '01.

Boyer, Nola E., *s,* Sheridan, Ind. Purdue U., Summers 1913–14.

Boyette, Ada Elberta, *s,* Tyler, Tex. Tyler Hs. '94; Sam Houston Normal S. 1895–96.

Bradfield, Elizabeth S., *s,* Tuscaloosa, Ala. Tuscaloosa Hs.; Alabama Girls' Technical Inst. '13.

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Bradford, Nannie, *s*, Mansfield, Tex. Fort Worth U.
Bradshaw, Margaret Priscilla, *a*, *w*, *sp*, Oak Park. Lewis Inst. '15.
Braley, Joanna S., *s*, Concord, Mass. Concord Hs. '14; Mary C. Wheeler S., Providence, R. I., '16.
Braly, Mary Laura, *s*, Lincoln, Ark. Washington, D.C., Hs. '05; Southeastern State Normal S., Oklahoma.
Brander, Wilhelm J., *s*, North Aurora. Wendell Phillips Hs. '05.
Brandtman, Elizabeth, *s*, Des Moines, Iowa. East Des Moines Hs. '91; Drake U., Summers 1894–97.
Breathurt, Ruth Naomi, *s*, Kingsland, Ark. Kingsland Hs. '14; Galloway C. 1914–15.
Brecheen, James Lafayette, *s*, Paris, Tex. North Texas Normal S. 1898–99, 1901, Summers '03, '07; U. of Texas.
Breckenridge, Grace, *a*, *w*, *sp*, Rockford. Rockford Hs. '10.
Brennan, Maude Esther, *a*, *w*, *sp*, Newport, N.H. Wheaton Sm. '14; Maryland C. 1914–16.
Brenneman, Ruth Victoria, *s*, Goshen, Ind. Bradley Polytechnic Inst. '11.
Brett, Lila Eley, *s*, Winton, N.C. Winton Hs. '08; Winthrop Normal and Industrial S.; Chowan C. '11.
Brice, Florence J., *s*, Freeport. Freeport Hs. '01; Illinois State Normal S., Summers '06, '08.
Bridger, Eula, *s*, Parsons, Kan. Parsons Hs. '11; Emporia State Normal S.; U. of Colorado, Winter '11, '12; Summer '13.
Brightman, Hattie Eunice, *s*, Comanche, Tex. Comanche Hs. '11.
Briles, Charles Walter, *s*, Stillwater, Okla. Lexington, N.C., Hs. '91; U. of North Carolina '96.
Brittain, Effie M., *s*, White City, Kan. Kansas State Normal S. '12.
Brittain, Emma, *s*, White City, Kan. White City Hs. '05; Kansas State Normal S. '12.
Brockway, Edna J., *s*, Alva, Okla. Northwestern State Normal S., Oklahoma, '13.
Brooker, Lena May, *s*, Mechanicsburg, Pa. Mechanicsburg Hs. '93; Thomas Normal Training S. '15.
Brooks, Edith Jane, *s*, Chicago. Wichita City Normal S. '03.
Brooksbank, Laura Maud, *s*, Springfield, Mo. Springfield Hs. '06; State Normal S. '11; Drury C., Springfield, 1909–10.
Browder, Lillian, *a*, Decatur, Ga. Lanier Hs. '13.
Brown, Alma, *s*, Sioux City, Iowa. Sioux City Hs. 1885–87; Simpson A. 1895–97; Simpson C. 1897–98; Morningside C. '06.
Brown, Elmer Burrell, *s*, Sunset, Tex. West Texas State Normal S. '12, '15.
Brown, Grace M., *s*, McAlester, Okla. Ferris Inst. '08.
Brown, Helen Emma, *sp*, Chicago. Englewood Hs. '14; Chicago Normal S. 1915–16.
Brown, John Hickman, *s*, Freeport. Freeport Hs. '08; U. of Wisconsin '10; Valparaiso U. '13.
Brown, Kate Louise, *s*, Lincoln. S.B. (Lincoln C.) '08.
Brown, Lillian Bon-Rowe, *s*, *a*, Chicago. St. Patrick's A. '05; Lewis Inst. 1911–13.
Brown, Mary Alice, *s*, Racine, Wis. Racine Hs. '98; Stout Inst. '12.

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Brown, Mrs. Mary E., *s*, Atchison, Kan. Atchison Hs. '81.
Brown, Minerva D., *s*, Joliet. Burlington, Iowa., Hs. '00.
Brown, Verna Hazele, *s*, Corsicana, Tex. Fred Douglas Hs. '06; Fisk U. 1906–8.
Brown, William, *s*, Aurora. Glasgow, Scotland, Public Schools '98; West of Scotland Technical C. '03; Lewis Inst. '15.
Brownson, Mary Alberta, *s*, Dubuque, Iowa. St. Clara's A. '00; Art Inst., Chicago, two years.
Bruce, Constance Fay, *a, w, sp*, Chicago. Hyde Park Hs. '15.
Bruenig, Elizabeth L., *s*, Kansas City, Mo. Westport Hs. '12.
Brush, Mabel Elizabeth, *s*, Spirit Lake, Iowa. Spirit Lake Hs. '95; Spirit Lake A. '98; U. of Virginia '02; Stout Inst. '11.
Bryan, Leta Marie, *s*, Bentonville, Ark. Bentonville Hs. '11.
Bryson, Helen Ruth, *s*, Shreveport, La. Shreveport Hs. '12; Louisiana State Normal S. '14.
Buchsbaum, Mildred, *a, w, sp*, Chicago. Wendell Phillips Hs. '15.
Buddemeyer, Florence, *s*, Chicago. Grand Rapids Hs. '11; Grand Rapids Kindergarten Training S. 1912–13.
Buell, Mary Elizabeth, *a, w, sp*, Randalia, Iowa. Preston, Minn., Hs. '16; Thomas Normal Training S. '11.
Bulkley, Florence Dorothy, *a, w, sp*, Alpena, Mich. Alpena Hs. '13.
Bullen, Alice Shirley, *s*, Chicago. Austin Hs. '05; Chicago Normal S. 1905–7; Lewis Inst.
Bullington, Inez, *s*, Ashdown, Ark. Ashdown Hs. '12.
Bullock, Hazel V., *s*, Eureka. Bradley Polytechnic Inst. '12.
Bundy, Alice, *s*, Chicago. Indiana State Normal S.
Burg, Edythe, *s*, Parsons, Kan. Parsons Hs. '11; State Manual Training Normal S., Pittsburg, Kan., Summers '11, '12.
Burge, Delia Horst, *s*, Crown Point, Ind. Valparaiso Normal S. 1902–3.
Burke, Mary J., *s*, Duluth, Minn. Albert Lea Hs. '82.
Burleson, Mattie Verne, *s*, Hobart, Okla. Hobart Hs. '13; Central Normal S., Summer '14.
Burnet, Anne, *s*, Lincoln, Neb. Manitowoc Hs.; Northwestern U., Woman's Medical S. '88.
Burnette, Esther Blyss, *a, w, sp*, Chicago. Herrin Hs. '15.
Burr, Elsie, *s*, Spokane, Wash. Atlantic Hs. '00; Peru, Neb., State Normal S., two terms.
Burr, Sarah McKeehan, *s*, Chicago. Atlantic, Iowa, Hs. '09.
Burris, Clare Olive, *a, w, sp*, Jackson, Mich. Jackson Hs. '13.
Burroughs, Jennie, *s*, Chicago. Normal Hs. '99; Illinois State Normal S. '07.
Burt, Rosy Wilhelmina, *s*, Bessemer, Mich. Bessemer Hs. '00; Michigan State Normal S. 1900–1902.
Bush, Mrs. Louise Pitts, *s*, Lockport. Lockport Hs. '00.
Butterfield, Edna, *s*, Mitchell, S.D. Dakota Wesleyan C. 1904–6; Highland Park C. of Oratory '07.
Butterfield, Mary Ethel, *s*, Troy Grove. Monte Vista, Colo., Hs. '00; Greeley State Normal S., Greeley, Colo., '06.
Buxton, Cora Gertrude, *s*, Hutchinson, Kan. La Crosse, Kan., Hs. '99; Kansas State Normal S. 1904–7.

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Buxton, Edith Jane, *sp*, Chicago. Plainfield, N.J., Hs. '93; Lewis Inst.
Cable, Jessie Adien, *s, a, w*, St. Louis, Mo. Yeatman Hs. '09; Harris Teachers' C. '11.
Cade, George N., *s, a, w, sp*, Chicago. Patterson Hs. '98; Illinois State Normal U. 1908–10.
Cadwallader, M. Maude, *s*, Crawfordsville, Ind.
Cain, Milly Mary, *s*, Fort Dodge, Iowa. Fort Dodge Hs. '01; Iowa State Teachers' C., Summers '06, '10.
Caldwell, James Allen, *s*, Minerva, Ky. Western Kentucky State Normal S.; Kentucky State U.
Caldwell, Margaret, *s, a, w, sp*, Edmonton, Alta., Canada. Sydenham, Ontario, Art S. '95; Ottawa, Ontario, Art S. '96.
Callaway, Fern M., *s*, Greenleaf, Kan. Greenleaf Hs. '11; Kansas State Normal S. '14.
Cameron, Mary Adelaide, *s, a, w, sp*, Chicago. University Hs.; Hyde Park Hs.
Campbell, Elizabeth M., *s*, St. Louis, Mo. St. Louis Normal S. '97.
Campbell, Ella, *s*, Benwood, W.Va. Moundsville A. '97; Bethany C. '10.
Campbell, Helen K., *s*, Chicago. Englewood Hs. '09.
Campbell, Iva Rachel, *s*, Chicago. Illinois State Normal U. '01.
Campbell, Mary Alice, *a, w, sp*, Chicago. Parker Hs. '15.
Canfield, Georgiana Lake, *s*, Chicago. Masten Park Hs., Buffalo, N.Y., '01; Pratt Inst. '03; James Millikin U.; Deering '09, '10, '11.
Canty, Margaret, *s*, Milwaukee, Wis. Oshkosh Normal Preparatory S. '90; Oshkosh Normal S. '96.
Carlson, Lillian H. E., *s*, Austin. Wheaton A. '10; Wheaton C. '11; State Normal S. 1912–13.
Carpenter, Faith, *s*, Jewell, Kan. Hiawatha, Kan., Hs. '11; Kansas State Normal S., Summer '15.
Carr, Lena Flora, *s*, Bradford, N.H. Keene State Normal S. '14; Simmons C. 1910–11, Autumn '15.
Carrier, Alfred Cornelius, *s*, Chicago. Lane Technical Hs. '10.
Carrington, John Wesley, *s*, Loda. Loda Hs. '10; Illinois State Normal U. '16.
Carrithers, Nelle M., *s*, Fairbury. Saunemin Hs. '92; Valparaiso U., Summers 1895, 1913.
Carroll, Alice Philomene, *s*, Cape Girardeau, Mo. Cape Girardeau Hs. '94; Cape Girardeau Normal S. '10.
Carroll, May Hill, *s*, Ennis, Tex. North Texas State Normal S. 1913–14.
Carter, Ethel, *s*, Lewistown. Lewistown Hs. 1905–9; Illinois Wesleyan U. '10; Stout Inst. '12.
Case, Earl Clark, *s*, Sumner. Illinois State Normal U.
Case, Rosetta Marie, *a, w, sp*, Chicago. Joliet Hs. '15.
Casey, Florence Genevieve, *s*, Chicago. Englewood Hs. '14; Chicago Normal S.
Casler, Mrs. Florence Markham, *s, sp*, Marquette, Mich. Northern State Normal S. '09; U. of Michigan 1909–10.
Casper, Helen Waite, *s*, Anna. Union A. '10; Southern Illinois Normal S. '13.
Cassin, Alice Aloysia *s, a, w, sp*, Chicago. Oneonta Normal S. '91.
Castelo, John William, *s*, Roanoke.
Cauley, Bernice, *s*, Stevens Point, Wis. Stevens Point Normal S. '12.

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Cavett, Willie Eleanor, *s*, Shreveport, La. Shreveport Hs. '12; Louisiana State Normal S. '15.

Chadwick, Dorothy H., *a, w, sp*, Chicago. Nicholas Senn Hs. '14.

Chamberlain, Beulah J., *a, w, sp*, Chicago. St. Cloud, Minn., Normal S. '09.

Chambers, Lena L., *s*, Salem, Ind. Salem Hs. 1904–6; Chicago Evangelistic Inst.

Chapin, Ernest P., *s*, Louisville, Ky. Cushine A., Ashburnham, Mass.; M.E. (Cornell U.) '93.

Chapin, Myron Butman, *s, a, w*, St. Johns, Mich. Chicago Art Inst. '10.

Chapin, Ruth Herberta, *a, w, sp*, York, Neb. York Hs. '13; York C. 1915–16.

Charnley, Enola, *s*, Alexandria, La. Milwaukee-Downer C. '07.

Cherniss, Lillian, *s*, Council Bluffs, Iowa. Council Bluffs Hs. '94.

Chilcott, Marion Adela, *s*, Ashland, N.H. Plymouth Hs. '07; New Hampshire State Normal S. '10.

Childers, Edna Ora, *s*, Wamego, Kan. Wamego Hs. '04; Kansas State Normal S., two summers.

Childress, Jennie L., *s*, Nashville, Tenn. A.B. (Fisk U.) '09.

Christiansen, Vera Leona, *s*, Richfield, Utah. Sevier Hs. '15; U. of Utah, Summer '15.

Christianson, Helen Marguerite, *a, w, sp*, Ashton, S.D. Cedar Falls Hs. '10; Iowa State Teachers' C. '12.

Clark, Bessie, *w, sp*, Hinckley. Hinckley Hs. '14.

Clark, Ethel Mae, *a, w, sp*, Newton. Newton Hs. '14.

Clark, George Wooler, *s*, Berea, Ky. Ware, Mass., Hs. '92; Hartford S. of Pedagogy '95; L.B. (Berea C.) '11.

Clark, Iris Barrette, *s*, Nocona, Tex. Baylor U. 1912–13; North Texas State Normal S. '14.

Clark, Ruth, *s*, Ashton, Iowa. Ashton Hs. '01; Denison Normal S. '02; Highland Park C., Des Moines, '05.

Clark, Verde Alice, *s*, LaGrange. Lyons Township Hs. '10; Lewis Inst. '11.

Clark, Winifred M., *s*, Braggs, Okla. Oklahoma U. '98; Tahlequah Normal S. '15.

Clarke, Ethel Elizabeth, *s*, Portland, Ore. U. of Oregon '10.

Clarke, Sarah Gertrude, *a, w, sp*, Chicago. Calumet Hs. '16.

Cleland, Mrs. Emma Coffey, *s*, Canon City, Colo. Shopton, N.C., Hs. '03; Muskingum C. '08.

Cleland, George Aikin, *s*, Canon City, Colo. Muskingum A. '04; Muskingum C. '08.

Close, Helen Elizabeth, *a*, Chicago. Wendell Phillips Hs. '15.

Cloyd, Ehrma, *s*, Chicago. Decatur Hs. '02.

Coate, Rose, *s*, Wabash, Ind. South Wabash Hs. '87; Cook County Normal S. '95.

Cobain, Eva Jeannette, *a, w, sp*, Chicago. Starrett S. for Girls '16.

Coble, Mrs. Myrtle, *s*, Goshen, Ind. Waterford Hs. '99; Marion, Ind., '03.

Cochran, Mabel Pearl, *s*, Burlington, Kan. Wichita Hs. '03; Kansas Manual Normal Training S. '13.

Coffin, Catherine Florence, *s*, Oklahoma City, Okla.

Cogan, Helen A., *s*, Vincennes, Ind. Vincennes Hs. '13; Vincennes U. '14; Indiana U., Summer '14; Columbia U. '15.

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Cohen, Ida, *s*, Des Moines, Iowa. East Des Moines Hs. '00.
Colby, Eva, *s*, Denmark, Me. Bridgeton, Me., Hs. '94; S. of Domestic Science, Boston.
Cole, Richard Hill, *s*, St. Louis, Mo. Gaines, Cincinnati, '77.
Cole, Mrs. Stella, *s*, Franklin, Tex. Bryan Hs. '89.
Colegate, Mary Emily, *s*, San Antonio, Tex. San Antonio Hs. 1896–99.
Coleman, Elizabeth Tudor, *s*, Institute, W.Va. S.B. (Talladega C.) '10.
Coles, Estelle R., *s*, Kansas City, Mo. Hyde Park Hs.
Collins, Florence, *a*, *w*, *sp*, Chippewa Falls, Wis. Chippewa Falls Hs. '14; Normal S., Superior, Wis., '16.
Colwell, Isa Belle, *s*, Oklahoma City, Okla. Epworth U. '08; Colorado State Teachers' C. '14.
Combs, Earl William, *s*, Ottawa, Ohio. Ottawa Hs. '06; Ph.B. (Ohio Northern U.) '13.
Conaway, Ruby Elizabeth, *s*, Colorado, Tex. Simmons College A.
Conine, Mabel, *s*, Batesville, Ark. A.B. (Arkansas C.) '15.
Conine, Viola Mary, *s*, Batesville, Ark. A.B. (Arkansas C.) '14.
Conley, Mrs. Ethel Thomson, *s*, Middletown, Conn. South Chicago Hs. '98; Chicago Normal S. '99.
Consley, Mary Myrtle, *s*, Kansas City, Mo. Wichita Hs. '04; Wichita Normal S. '05.
Conway, Mary Stuart, *s*, Owensboro, Ky. Owensboro Hs. '90.
Conyne, Marguerite, *s*, Warren. Warren Hs.; U. of Wisconsin 1909–11; Chicago Kindergarten Inst. '13.
Cook, Alice Elizabeth, *s*, New Alexandria, Pa. Indiana Normal S. '12.
Cook, Elizabeth V., *s*, Dallas, Tex. Goldthwaite Hs. '00; Sam Houston Normal S. '03.
Cook, Marguerite, *s*, Parsons, Kan. Parsons Hs. '05; Colorado State Teachers' C., Summers 1910–12; Kansas State Normal S. '14.
Cooke, Elizabeth, *s*, Trenton, Tenn. Trenton Hs. '99; Peabody Normal S., Nashville, '01.
Cooke, Elizabeth Beatrice, *s*, Chicago. Tuskegee Inst. '06; Hampton Inst., Summer '10.
Cooley, Anna E., *s*, Portland, Ore. De Kalb, Ill., Hs. '06.
Cooper, Albert H., *s*, Maryville, Mo. Maryville Sm. '04; Ped.B. (Northwest Missouri Normal S.) '07; U. of Missouri.
Cooper, M. Bessie, *s*, Macomb. Northern Illinois State Normal S. '10.
Coppers, Add Elmer, *s*, Hurdland, Mo. Kirksville State Normal S. '05.
Corbett, Bertha Lucretia, *w*, *sp*, Mount Carroll. Frances Shimer Hs. '16; Mount Carroll Hs.
Corcoran, John Joseph, *s*, Reedsburg, Wis. Reedsburg Hs. '09; Milwaukee State Normal S. '13; U. of Wisconsin '12; U. of California '15; U. of Minnesota '16.
Corcoran, Mary L., *s*, Joliet. Joliet Township Hs. '04; Joliet Training S. '05.
Cordill, Mignon Antoinette, *a*, *w*, *sp*, Council Bluffs, Iowa. Council Bluffs Hs. '12.
Cornwell, May, *a*, *w*, *sp*, Chicago. Hyde Park Hs. '16.
Correll, Audrey, *s*, Charlevoix, Mich.

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Cosby, Jennie, *s*, Owensboro, Ky. Owensboro Hs. '84.
Covert, Mary Anna, *sp*, Littleton. Western Illinois Normal A.; Western Illinois Normal S. '15.
Cox, Alma Ruth, *s*, Blooming Grove, Tex.
Cox, Ellen, *s*, Cynthiana, Ky. Cynthiana Hs. '13; Eastern Kentucky State Normal S. '14.
Cox, Jessie M., *s*, Dixon. Drake U. 1910–11; Rockford C. 1911–12.
Cox, Ruby, *s*, *a*, *sp*, Madison, Ga. Georgia Normal and Industrial C. '12.
Cox, Sudie B., *s*, Cynthiana, Ky. Cynthiana Hs. '13.
Coye, Carrie May, *a*, *sp*, Grand Rapids, Mich. Central Hs. '16.
Crabtree, Mildred Idora, *s*, Ellendale, N.D. Merricourt, N.D., Hs.; State Normal S., Ellendale, N.D., '14.
Craft, Myrtle Elizabeth, *a*, *w*, Aberdeen, S.D. Mitchell, S.D., Hs. '12; Northern Normal and Industrial S. '16.
Cragun, Lavon, *s*, Smithfield, Utah. Smithfield Hs. 1908–12; Agricultural C. of Utah.
Craig, Anne K. W., *s*, Brownsville, Tex. Poplar Bluff Hs. '04; U. of Missouri '06.
Crandall, Laura Belle, *s*, Omaha, Neb. Central Hs., Kansas City, '05.
Craney, Mary Emily, *s*, Chicago. Chicago Normal S.; Lewis Inst.
Crawford, Pearl, *s*, Choteau, Okla. U. of Arkansas Preparatory S. '04; Stout Inst. '16.
Crebs, Margaret, *s*, Helena, Ark. A.B. (Galloway C.) '04.
Credo, Rosa Ethel, *s*, Galveston, Tex. Ball Hs. '08; Southwest Texas State Normal S. '11.
Creekmur, Frances, *sp*, Chicago. Ferry Hall; University Hs.
Crocker, John N., *s*, Cape Girardeau, Mo. State Normal S., Warrensburg, '09.
Crockett, Fannie Ellen, *s*, Austin, Tex. U. of Texas 1893–94; 1915–16.
Crockett, Lela, *s*, Celina, Ohio. Celina Hs. '03; U. of Wooster 1903–4.
Crosby, Lucy Mabel, *s*, Leland, Miss. Greenville Hs. '10; Sullins C. '10; U. of Mississippi, Summer '11.
Cross, Grace Brewster, *s*, Chicago. South Division Hs. '79; Chicago Art Inst.
Cross, Henry A., *s*, Kingston. Rock Falls Hs.; Evanston A.
Croxton, Walter Clyde, *a*, *w*, Rushville. Marion Normal A. '12; Western Illinois State Normal S. '15.
Crutcher, Mary Anna, *s*, Stithton, Ky. Bowling Green Normal S. '11.
Cullipher, Ralph J., *s*, Anderson, Ind. Muncie Normal S. '14.
Culwell, Sherman H., *s*, Waurika, Okla. Poolville Hs. '10; Southwest Texas State Normal S. '14.
Cunningham, Ethel Ruth, *s*, San Diego, Cal. California State Normal S. 1915–16.
Curry, Harriet Sloan, *a*, *w*, *sp*, Terre Haute, Ind. Indiana State Normal Hs. '14.
Curtis, Nell Charlotte, *s*, Belvidere. Chicago Inst.
Cushing, Helen Childs, *w*, East Orange, N.J. Cornwall Sm.
Cutkosky, Lydia Maria, *s*, Alliance, Neb. Battle Creek Hs. '09; Wayne State Normal S., Nebraska, '10.
Cutrer, Jeannette Eleanor, *s*, Osyka, Miss. Wesson Hs. '13; Industrial Inst. and C. 1913–15.

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Dalgetty, William Doig, *s*, *a*, Chicago. Calumet Hs. '13.
Daniels, Mary Ellen, *a*, Chicago. Plymouth Hs. '12; Oberlin Kindergarten Training S. '15.
Darling, Ella Thomas, *s*, Greenville, Miss. Meridian, Miss., A. '78; U. of Mississippi '08; U. of Missouri '09.
Darling, Grace Alice, *a*, *w*, *sp*, Milwaukee, Wis. Waupun Hs. '15.
Darrow, Gertrude, *a*, *w*, *sp*, Chicago. Wendell Phillips Hs. '11.
Daugherty, Grace, *s*, Warren, Ohio. Warren Hs. '93.
Davenport, George Edgar, *s*, Warrensburg, Mo. Ped.B. (State Normal S., Warrensburg) '12.
David, Blanche E., *s*, East Liberty, Ohio. Maryville Hs. '07; Otterbein U. '10; Ohio U. 1914–15.
Davis, Eva M., *s*, Vincennes, Ind. Vincennes Hs. '06; Indiana State Normal S. '14.
Davis, Georgia, *s*, Roggen, Colo. State Normal S., Spearfish, S.D.
Davis, Ida G., *s*, Taylor, Tex. Sam Houston Normal S. '04.
Davis, Leloise, *s*, *a*, *w*, *sp*, Taylor, Tex. Taylor Hs. 1910–12; Southwest Texas State Normal S. 1912–14.
Davis, Lessie, *s*, Lexington, Tenn. A.B. (Union U.) '12.
Davis, Mary Elizabeth, *s*, Chicago. Burlington Hs. '07.
Davis, Mrs. Precious E., *s*, Houston, Tex. Houston Hs. '16.
Day, Cordelia B., *s*, Salineville, Ohio. Fargo Hs. '05; Washington Sm. '06.
Day, Lotta, *s*, Boulder, Colo. Indiana State Normal S. '12.
Dean, Myrtle Daisy, *a*, *w*, Clear Lake, Wis. S.B. (Iowa State C.) '12.
Deerhake, Elizabeth, *s*, Chicago. Huntingburg Hs. '89; Teachers' C., Indianapolis, '98.
DeGroot, Ruth Elizabeth, *a*, *w*, *sp*, Chicago. Webster Groves, Mo., Hs. '12.
DeHart, Henry Tinney, *s*, La Fayette, Ind. La Fayette Hs. '13; Purdue U. 1913–16.
DeLand, Mrs. Florence Schaub, *s*, Whiting, Ind. Whiting Hs. '08.
Deniston, Noble Graham, *s*, Burnsville, N.C. B.M.T. (Valparaiso U.) '13.
Dennis, Kate Estella, *s*, Crawfordsville, Ind. Crawfordsville Hs. '96.
Dennison, Gertrude, *s*, Sioux City, Iowa. Casenovia Sm., Casenovia, N.Y.; Cedar Falls Normal S.; Cornell U.
Denny, Ruth I., *s*, Buffalo, N.Y. Chicago Kindergarten Inst. '06.
Detjens, Helen Katherine, *a*, *w*, *sp*, Rock Island. Rock Island Hs. '14; Monticello Sm. '16.
Dettbener, Caroline, *s*, Linden, Ind. Linden Hs. 1901–4; Central Normal S. '08; Indiana U. '13.
Deuter, Aimee, *s*, Chicago. South Division Hs. '03.
DeVries, Olga, *a*, Aplington, Iowa. Rockford Hs. '12.
Dewey, Ethelyn Alice, *a*, *w*, *sp*, Janesville, Iowa. Shellrock Hs. '96; Iowa State Teachers' C. '08.
Dial, Mrs. Tura Whitney, *s*, Dallas, Tex. Private A.; Texas U., Summer.
Dickinson, Mary, *s*, Princeville. Louisville C. '03.
Dierdarf, Elva L., *s*, Surrey, N.D. McPherson C. Normal S. '12.
Dignum, Agnes G., *s*, Chicago. Stevens Point, Wis., Hs. '97; Stevens Point Normal S. '01.

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Dillswooth, Grace, *s*, Eldorado. Enfield C. 1892–93; Carbondale, Summers 1908–9.

Dixon, Helen, *s*, Chicago. McKinley Hs. '12; Chicago Normal S. 1912–14.

Dixon, Mary, *s*, Indianapolis, Ind. Teachers' C. '02; Moores Hitt C.; Indiana U.

Doak, Fred Stephens, *s*, Chicago. Valparaiso U. 1905–6.

Dodd, Corinne Washburn, *s*, Russellville, Ark. Russellville Hs. '06; U. of Arkansas 1906–8.

Dolan, Mary E., *s*, Davenport, Iowa. Immaculate Conception A. '74; Drake U. '09.

Dollarhide, Lillian, *s*, Foreman, Ark. St. Joseph A., Mena, Ark., '13.

Donahue, Margaret Blanche, *a, w, sp*, Chicago. Antigo Hs. '15; St. Xavier C. '16.

Doniat, Johanna Henriette, *s*, Chicago.

Dougherty, Mary Lorette, *s*, Chicago. Washburn A. 1890–91.

Doughty, Blanche, *s*, Oshkosh, Wis. Oshkosh Hs. '13; Stout U. '16.

Dow, Carrie Aurelia, *s*, Sioux City, Iowa.

Dow, Clara, *s*, Edmond, Okla. State Normal S., Edmond, '09.

Downing, Elbert Peirce, *s*, Shawnee, Okla. S.B. (East Texas Normal S.) '03.

Drake, Louise, *s*, Pittsburg, Kan. Moberly, Mo., Hs. '08; State Manual Training Normal S. '15.

Drees, Amelia Elizabeth, *s*, Milwaukee, Wis. Peshtigo Hs. '98; Milwaukee '06.

Duffendack, Mrs. Cora C., *s*, Cole Camp, Mo. Lexington Hs. '07; Peru, Neb., Normal S. 1907–9.

Duffield, Ethel Ada, *s*, Joliet, Mont. Joliet Hs. '13; Montana State Normal S. '15.

Duncan, Myrtle Hopper, *s*, Anchorage, Ky. Western Kentucky State Normal S. '10.

Dunn, G. Hontas, *s*, Murray, Ky. Western Kentucky State Normal S. '10; Murray Hs. 1914–15.

Dunshee, Marion Elizabeth, *s*, Wilmette. Chicago Normal S. '14; Hedding C. 1914–15.

Dupuy, Grace, *a, w, sp*, Chicago. Lake View Hs. '97; Chicago Froebel Association '01.

Duval, Hazel Blanche, *s*, San Antonio, Tex. San Antonio Hs. '11.

Duwelius, Alfred William, *s*, Cincinnati, Ohio. Hughes Hs. '13; Bradley Polytechnic Inst. '15.

Easley, Mary Pearle, *s*, Shamrock, Tex. Shamrock Hs. '11; West Texas State Normal S. '14.

Eason, Margaret Elizabeth, *s*, Tyler, Tex. Garden Valley Hs. '97; Sam Houston Normal S. 1897–1900; U. of Texas '09.

Eastland, Josephine, *s*, Oklahoma City, Okla. Waco, Tex., Hs. '95; Baylor U. 1892–94.

Eaton, Lelia, *s*, Claremore, Okla. Female S. '07.

Eckert, Mary, *s*, Madison, Ind. Madison Hs. '10; Marion Normal S. '12.

Eckle, Elizabeth Neil, *s*, Lexington, Mo. Lexington Hs. '13.

Eddy, Florence Reata, *s*, Streator. Streator Hs. '10; Wooster C., Summer '14; De Kalb U., Summer '15.

Edgar, Dorothy Josephine, *w*, Colorado Springs, Colo. Cutler A. and Dana Hall '14.

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Edmonds, Norma Kate, *a, w, sp*, Wausau, Wis. Wausau Hs. '14.
Eggman, Earl George, *a, w, sp*, Anderson, Ind. Anderson Hs. '14.
Ehle, Berenice Frances, *a, w, sp*, Auburn, Wash. Auburn Hs. '14; Bradley Polytechnic Inst. 1915–16.
Eichelberger, Mary Etta, *s*, Columbus, Miss. S.B. (Mississippi Industrial Inst.) '12.
Eicher, Helen Taylor, *a, w, sp*, Peoria. Peoria Hs. '14.
Eichhorn, Emma Helen, *s, a, w, sp*, Barnesville, Ohio. Barnesville Hs. '14.
Ellis, Lucy, *s*, Topeka, Kan. Kansas Agricultural C. '95; Manual Training Normal S., Pittsburg, Kan., 1907–8.
Ellsberry, Palmer R., *s*, Dallas, Tex. Montgomery, Ala., Hs. '09; Lewis Inst. '11.
Embree, Josephine, *s*, Henryetta, Okla. Iowa State Teachers' C., Summers 1912–15.
Embree, Margaret Evelyn, *s*, Henryetta, Okla. Rich Hill, Mo., Hs. '00; Iowa State Teachers' C., Summers '12, '15.
Embree, Sammie, *s*, Henryetta, Okla. Central State Normal S. '15.
Ernst, Alma L., *s*, Marlin, Tex. Marlin Public S. '13.
Erskine, Dorothy Margaret, *a, w, sp*, Lowellville, Ohio. Lowellville Hs. '13.
Erskine, Florence Pamelia, *a*, Lowellville, Ohio. Lowellville Hs. '16.
Erwin, Jane, *s*, Pilot Point, Tex. Pilot Point Hs. '07; North Texas State Normal S. 1907–8.
Evans, Anna Mae, *s*, Bowling Green, Ky. Bowling Green Preparatory S. 1907–8.
Evans, Laura F., *s*, Edmonton, Alta., Canada. Truro Normal S. '04; Agricultural C., three years.
Evans, Maude, *s*, Hoopeston. Hoopeston Hs. '09; Wooster U. 1909–10; S.B. (Illinois Wesleyan U.) '13.
Evans, Vivian, *s*, Kansas City, Mo. Chillicothe Hs. '97; Thomas Normal Training S. '07; Columbia U., Summer '13.
Everett, Ethel D., *s*, Dallas, Tex. Dallas City S. '03; Mary Allen S. '08.
Ewing, Virginia, *a*, Louisville, Ky. Girls' Hs., Louisville, '16.
Fallon, Kathrine, *s*, Chicago. Joliet Hs. '91.
Farwell, Louise, *a, w*, Chicago. Hyde Park Hs. '10.
Fassett, Eunice Louise, *s*, Chicago. Englewood Hs.
Fate, Florine Elizabeth, *s*, Marshfield, Mo. La Cygne, Kan., Hs. '08; S.B. (Kansas State Agricultural C.) '11.
Fate, Laura M., *s*, Marshfield, Mo. La Cygne, Kan., Hs. 1908–9; S.B. (Kansas State Agricultural C.) '13.
Faulkner, Florence M., *s, a, w, sp*, Chicago. Galesburg Hs. '13; Lombard C. 1913–16.
Feger, Hattie V., *s*, New Orleans, La. Straight U. 1892–93.
Fenet, Mary Caldwell, *s*, Sherman, Tex. Sherman Hs. '11; U. of Texas 1914–15.
Fenton, Lester L., *s*, Twelve Mile, Ind. Ped.B. (Valparaiso U.) '10.
Ferguson, Erma Louise, *s*, Middlefield, N.Y. Oneonta Normal S. '05; Teachers' C., Columbia, Summers 1914–16.
Fernandes, Grace Clara, *s*, Tahlequah, Okla. Anderson Hs. '98; Indiana State Normal S. 1900–1901; Central State Normal S., Summer '07; Oklahoma Methodist U. 1913–14.
Fetroe, Grace Zulue, *s*, Brazil, Ind. Franklin C. '94; Indiana State Normal S. '01.

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Fidler, Thurba, *s*, Kirksville, Mo. Tilton Hs. '06; Kirksville State Normal S. '17.
Fiebiger, Mary, *s*, Duluth, Minn. Duluth Central Hs. St. Cloud Normal S. '99.
Fields, Grace, *s*, Bloomfield, Ind. Bloomfield Hs. '94.
Filbey, Emery T., *s*, *a*, Chicago. Indiana State Normal S. '07.
Fildes, Frances Louise, *s*, Chicago. Marinette Hs. '11.
Fillers, Herbert Donald, *s*, Bonham, Tex. East Texas State Normal S.
Filley, Elma Ariel, *s*, *a*, *w*, *sp*, Burlingame, Kan. Indiana State Normal S. '06.
Finch, Ethel, *s*, Mishawaka, Ind. Mishawaka Hs. '03.
Finlayson, Leona B., *s*, Yankton, S.D. Blair Hs. '99.
Finney, Nona Grace, *s*, Chicago. Kalamazoo C. '07; Chicago Teachers C. 1909–11.
Fischbeck, Ethel Irene, *s*, *a*, *w*, *sp*, Chicago. Bloomington Hs. '14.
Fish, Martha Isabel, *s*, Doylestown, Pa. Chicago Teachers C. '98.
Fish, Nettie Marie, *s*, Rockford. Rockford C. 1912–15.
Fisher, Margaret Olive, *s*, Toronto, Canada. Port Hope Hs. '06; Toronto U. '11.
Fisher, Ruth, *s*, Leadville, Colo. Colorado State Teachers' C. '13.
Fisk, Katharine, *s*, De Kalb. De Kalb Hs. '02; Northern State Normal S.; Chicago Art Inst. '06.
Fitzpatrick, Julia Agness, *s*, Rockford, Mich. Rockford Hs. '91; Ferris Inst. '03.
Flaa, Leonard, *s*, Ishpeming, Mich. U. of Michigan.
Fleming, Barbara Allyn, *a*, *w*, *sp*, Walnut, Iowa. Walnut Hs. '13.
Fleugel, James Bush, *a*, *w*, *sp*, Kalamazoo, Mich. Kalamazoo C.
Fluke, Mrs. Antha Lucretia, *s*, Chicago. John Sterling Morton Hs.
Ford, Martha Ruth, *sp*, Lagro, Ind. Lagro Hs. '14; Muncie National Inst., Muncie, Ind., '16.
Forgey, Carol Felisatis, *s*, Washington, Iowa. Washington Hs. '07; Iowa State Teachers' C. '13.
Fossgreen, Mrs. Anna Dorothea, *s*, Sioux City, Iowa. Iowa State Normal S. '96.
Foster, Elizabeth Curtis, *s*, Las Cruces, N.M. U. of Wyoming '04; Agricultural C. of New Mexico.
Foust, John Lee, *s*, Owensboro, Ky. West Kentucky State Normal S.; Indiana U.
Fouts, Minerva, *a*, *w*, *sp*, Wilmette. New Trier Hs. '13; Northwestern U. 1914–16.
Fowler, George Selton, *s*, Chicago. Knoxville C. '15.
Francis, Martha Isabel, *s*, Dallas, Tex. Baylor U.; U. of Texas.
Frantz, Albert Lee, *s*, Logansport, Ind. Olive Branch Hs. 1893–97; S.B. (Valparaiso U.) '05.
Fratt, Leroy, *s*, Burlington, Wis. Burlington Hs. '07; Stout Inst. '12.
Frazier, Ruth, *s*, Quenemo, Kan. Carbondale Hs. '11; Kansas State Normal S. '13.
Frazier, Susan R., *s*, Chadron, Neb. Alliance, Neb., Junior State Normal S. 1907–8.
Freegard, Ruth, *s*, *sp*, St. Louis, Mo. Harris Teachers' C. '09.
Fretzs, Maude Lillian, *s*, Laporte City, Iowa. Iowa Normal S., Summers 1897, '98, 1902, '03.
Frick, Ruth, *s*, *a*, Conroy, Iowa. Williamsburg Hs. '04.

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Fridenberger, Florence A., *s*, Battle Creek, Mich. Port Huron Hs. '06; Michigan State Normal S. '08.
Friedman, Myrtle H., *s*, Hailey, Idaho. U. of Idaho 1912–13.
Fryer, Mrs. Lutie H., *s*, Salt Lake City, Utah. U. of Utah 1913–14.
Fuhring, Frances Gertrude, *a*, *w*, *sp*, Chicago. Robert A. Waller Hs. '14; Chicago Kindergarten Inst. '16.
Fulenwider, Amanda Elizabeth, *s*, Anna.
Fuller, Edith Mable, *a*, *w*, Kalamazoo, Mich. Kalamazoo Hs. '11. Western State Normal S. 1915–16.
Funfar, Mary L., *s*, Glenville, Minn. Lewis Inst. 1913–15.
Gabel, Otto J., *s*, *a*, *w*, *sp*, Shabbona. Shabbona Hs. '09; Northern Illinois State Normal S. '12.
Gamble, Josephine Margaret, *sp*, Chicago. Austin Hs. '16.
Ganaway, Miss Willie Blane, *s*, Johnson City, Tenn. Langston Hs. '08; Swift Memorial Inst. 1908–13.
Ganzer, Frank Anton, *s*, Henry. Illinois State Normal U. 1912–14.
Gardner, Mrs. Maude W., *s*, Chicago. Boston C. of Oratory.
Gardner, Pearl, *a*, Indianapolis, Ind. Shortridge Hs. '12.
Garland, Ethel B., *s*, De Kalb, Tex. Bishop C. '14.
Garland, Lillian Gertrude, *s*, De Kalb, Tex. State Normal S., Prairie View, '14.
Garner, Ruby Ethel, *s*, Lawton, Okla. Lawton Hs. '03; U. of Oklahoma '06.
Garnett, Sallie Park, *s*, Tyler, Tex. Tyler Hs. 1907–8; Southwest Texas Normal S. 1909–10.
Garrett, Ralph Elwood, *s*, *a*, Athens. Athens Hs. '07; Illinois State Normal U. '14.
Gaskins, Reba, *a*, Harrisburg. Harrisburg Township Hs. '14; Illinois Woman's C. 1914–16.
Gast, Mrs. Fay Marrett, *s*, Akron, Ind. Akron Hs. '03.
Gaub, Lilah Ruth, *s*, Sweetwater, Tenn. Sweetwater Hs. '09; East Tennessee State Normal S. '14.
Gavin, Ethel Corinne, *s*, Stevens Point, Wis. Minneapolis East Hs. '11; Minneapolis Kindergarten Normal S. '14; Wisconsin State Normal S. '16.
Geib, Marguerite F., *s*, Chicago. Bowen Hs.
George, Leila Gordon, *s*, Blooming Grove, Tex. Blooming Grove Training S. '06.
Geyer, William Carlton, *s*, Huntingdon, Pa. Williamson Trade S. '14.
Gibbons, David J., *s*, Chicago. St. Gabriel's Hs. '10; Chicago Teachers C. '13.
Gibson, Lenell, *sp*, Elsberry, Mo. Elsberry Hs. '11; Kirksville State Normal S. '14.
Gibson, Oregon Ethel, *s*, Carrizo Springs, Tex. Carrizo Springs Hs. '04; San Marcos, Tex. '16; Applied Arts S., Chicago.
Gideon, Alice Myrtle, *s*, Omaha, Neb. U. of Nebraska 1913–14.
Gilbert, Clara Severine, *s*, Aurora. East Aurora Hs. '06; Colorado Teachers' C. '15.
Gilbertz, Susanne, *s*, White Lake, S.D. White Lake Hs. '01.
Gillespie, Ellen, *s*, San Marcos, Tex. Lebanon, Ohio, Normal S. '89.
Gillette, Alice M. R., *s*, Grand Rapids, Mich. Grand Rapids Hs. '98; Grand Rapids Normal S. '00.

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Gilliams, Carmen, *s*, Mesilla Park, N.M. S.B. (New Mexico Agricultural C.) '15.
Gillis, Belle, *s*, Trenton, Ky. Georgetown, Ky., C. '90; U. of Tennessee '12.
Gillogly, Mary Allegra, *a*, *w*, *sp*, Chicago. Englewood Hs. '13.
Giltnane, Cassie Agnes, *a*, Chicago. St. Catherine's A. '16.
Gimbel, Eva A., *s*, Davenport, Iowa. Davenport Hs. '02; Davenport Training S. 1902–3.
Gimbel, Mary J., *s*, Davenport, Iowa. Davenport Hs. '09; Davenport Training S. '10.
Gist, Alice, *s*, Plainview, Tex. Canadian A. '12.
Gleason, May, *s*, Birmingham, Ala. State Normal S., Mount Vernon, Ala.
Gohmert, Emilie G., *s*, San Antonio, Tex. Texas Summer Normal S., seven summers; U. of California, Summer 1915.
Goldsmith, Bernice Irene, *a*, *w*, *sp*, Chicago. Wendell Phillips Hs. '16.
Goldstein, Etta Mae, *s*, Wausau, Wis. Wautoma Hs. '11; Stevens Point Normal S. '13.
Goldstein, Gertrude, *a*, *w*, *sp*, Petoskey, Mich. Petoskey Hs. '15; Lake Forest C. '16.
Goode, Lenna, *s*, Kansas City, Mo. Central Hs., Kansas City, '08.
Goodman, Marjorie, *s*, Muscatine, Iowa. Muscatine Hs.; Iowa State C. 1914–15; Stout Inst. 1915–16.
Goodnow, Priscilla Sarah, *a*, *w*, *sp*, Keene, N.H. Wheaton Sm. '14; Maryland C. 1914–16.
Goodrich, Helen, *s*, Chicago. Evanston Township Hs.; Pratt Inst. '13.
Goodwillie, Emily Isabelle, *a*, *w*, *sp*, Chicago. Sacred Heart A. '14; Lewis Inst. 1914–16.
Goodwillie, Winifred Constance, *a*, *w*, *sp*, Chicago. Sacred Heart A. '15; Proviso A.
Goodwin, Edna Helen, *s*, Louisville, Ky. Central Hs., Louisville, Ky., '12; Louisville Normal S. '14.
Gordon, Isabelle Turney, *s*, Huntington, W.Va. Marshall C. '11.
Gordon, Mildred Gladys, *sp*, Chicago. Hyde Park Hs. '15; Lewis Inst. 1915–17.
Gore, Joseph H., *s*, Downey, Idaho. Carlinville Hs. '05; S.B. (Montana Agricultural C.) '10.
Gorham, Maude Isabel, *s*, Garden City, Kan. Iowa State Teachers' C. '07.
Gossett, Willie D., *s*, Cleburne, Tex. North Texas State Normal S. '12.
Gothwaite, Phyllis Vincent, *sp*, Chicago. Hyde Park Hs. '17.
Gould, Willie Ann, *s*, Crawford, Miss. Enterprise Hs. '93; S.B. (Union A.) '94; Industrial Inst. and C., Columbus Normal '96.
Gower, Olive Ellis, *s*, *a*, *w*, *sp*, Odell. Illinois Woman's C. '14.
Grace, Ethel M., *a*, *w*, *sp*, Virginia, Minn. Virginia Hs. '15.
Graham, Albert Ashbey, *s*, Detroit, Mich. Central Hs., Detroit, '99; Michigan State Normal S. '04.
Gravitte, Eula, *s*, Tulsa, Okla. Claremore Preparatory S. '09; Northeastern State Normal S., Oklahoma, '15.
Gray, Georgia Louella, *s*, Kansas City, Kan. Kansas City Hs. '10; Baker U. '12.
Green, Dessie Adel, *s*, Traer, Iowa. Traer Hs. '03; Drake U. '11.
Green, Edna Shreve, *s*, *w*, *sp*, Chicago. Wheeling, W.Va., Hs. '98; Chicago Technical Normal S. '14.

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Green, George, *s*, Lebanon, Ohio. Lebanon U., Preparatory Department, '13; A.B. (Lebanon U.) '15.
Green, Louise Allen, *w*, *sp*, Washington, D.C. Wilson Normal S. '15.
Greening, Anna Marie, *s*, South Bend, Ind. Valparaiso U. 1911–12; South Bend Hs. '12; Teachers' C., Indianapolis, '13
Greenman, Gladys Marian, *a*, Chicago. Wendell Phillips Hs. '11.
Greenwald, Matilda Isabell, *s*, Chicago. Chicago Normal S. '11.
Gregg, Albert Sherman, *s*, Lorain, Ohio. Fredericktown Hs. '92; Kent State Normal C. '14; Ohio State U.; Harvard U.
Gregg, Hazel, *w*, Chicago. Lake View Hs.
Gregg, Mrs. Mary Kinsella, *s*, Sioux City, Iowa. Thomas Normal Training S. '15.
Gresham, Harriet Jean, *s*, Mobile, Ala. Barton A. '00.
Griffin, Helen, *s*, Greenville, Miss. Private instruction.
Griffin, Mary Lane, *s*, Greenville, Miss. Archer Hs. '14.
Griffin, Phila May, *w*, *sp*, Milan, N.H. Plymouth Normal S. '13.
Griffith, Floy Winn, *s*, Liberty, Mo. Liberty Hs. '02; State Normal S., Warrensburg.
Griffith, Margaret, *s*, Louisiana, Mo. Louisiana Hs. '11.
Griggs, Mrs. Emma Jane, *s*, Memphis, Tenn. Hartshorn Memorial C. '91; Chestnut St. A., Portsmouth, Va., '91.
Grimes, Clea M., *s*, Albia, Iowa. Albia Hs. '14; Normal Course, Albia Hs. '16.
Grimm, Adeline M., *s*, Stevens Point, Wis. Stevens Point Hs. '09; Stevens Point State Normal S. '11.
Groff, Merry Gladys de, *a*, *w*, Chicago. Carl Schurz Hs.
Groos, Margaret Alice, *s*, Kyle, Tex. Southwest Texas State Normal S. '13.
Gross, Margaret, *s*, Chicago. Englewood Hs. '10; Chicago Kindergarten Inst.
Guardia, John Edward, *s*, Natchitoches, La. Louisiana State Normal S. '03.
Gullidge, Arthur O., *s*, Terry, Mont. Waukegan, Ill., Hs.; S.B. (Valparaiso U.) '02.
Gunther, Bertha, *s*, Gainesville, Ga. Gainesville Hs. 1910–13; Georgia Normal and Industrial C. '15.
Habenicht, Luella Mary, *a*, *w*, *sp*, Fort Dodge, Iowa. Fort Dodge Hs. '15.
Hackler, John M., *s*, Tahlequah, Okla. U. of Missouri '03.
Hadden, Hazael Aileen, *s*, *a*, Chicago. Lake Forest C. 1914–15.
Haffner, Martha, *s*, Sigourney, Iowa. Sigourney Hs. '89; Keokuk County Normal S. '92.
Hagarty, Elizabeth Ellen, *s*, Davenport, Iowa. Immaculate Conception A., Davenport, '81; Davenport Training S. '82.
Hahn, Ada, *s*, Stillwater, Okla. Royal S., Weimar, Summer '14; U. of Grenoble, France, 1910–11.
Hahn, Nita, *s*, Ottumwa, Iowa. Marion, Iowa, Hs. '04; Iowa State Teachers' C. 1912–13.
Hair, Mrs. Rachel Maude, *s*, St. Anne. St. Anne's Hs. '09.
Haisley, Ruth, *s*, Prescott, Ariz. Prescott Hs. '11; Arizona State Normal S. '14.
Hale, Alice, *s*, Bedford, Iowa. Bedford Hs. '01; Iowa State Normal S. 1905–6, Summers '01, '08, '10.
Halik, Elsa Marie, *a*, *w*, La Crosse, Wis. La Crosse Hs. '13; La Crosse Normal S. '16.

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Hall, Florence Lillian, *s*, Muncie, Ind. Teachers' C., Indianapolis, '00; Indiana State Normal S. '09.

Hall, M. Bess, *s*, Davenport, Iowa. Davenport Hs. '94; Davenport Normal S. '95.

Hall, Maude Estelle, *s*, Crawfordsville, Ind. Crawfordsville Hs.

Hall, Morah Elizabeth, *s*, Atlanta, Ga. Cartersville Hs. '00; Georgia Normal and Industrial C.; U. of Georgia '97.

Hall, Olive Cecilia, *a, w, sp*, Spokane, Wash. Holy Name A., Spokane, '13; Holy Name Normal S. '15.

Haller, Ida P., *a, w, sp*, Davenport, Iowa. Davenport Hs. '02; Davenport Teachers' Training S. '06.

Hallgren, Lillian Charlotte, *s, a, w, sp*, Chicago. Calumet Hs. '15.

Hamilton, Volney, *s*, Edmond, Okla. Central State Normal S. '14.

Hand, Mrs. Alta McBride, *s*, Columbus Grove, Ohio. Defiance C. 1900–1906.

Handman, Mrs. Della D., *a*, Columbia, Mo. Ithaca, N.Y., Hs. '99; Cornell U. 1899–1900; U. of Texas 1912–14.

Hansen, S. Stena, *s*, Cedar Falls, Iowa. Iowa State Normal S. '96; North Texas State Normal S. '07.

Harbin, Ruby Margaret, *s*, Athens, Ga. Lucy Cobb Inst. '04; Georgia State Normal S. '07.

Hard, Ethel Adelaide, *a*, Superior, Wis. Central Hs., Superior, '11; State Normal S., Superior, '13.

Harden, Madeline Grace, *s*, Ottawa. Ottawa Hs. '11.

Hardin, Laura L., *s*, Muskogee, Okla. Agricultural and Mechanical C. '95.

Hardy, Harold McKinley, *a, w, sp*, Roscoe. Roscoe Hs. '10; Northern Illinois State Normal S. '16.

Hardy, Lida M., *s*, Topeka, Kan. Topeka Hs. '12; Kansas State Normal S. '14.

Hardy, Mattie C., *a, w*, Belton, Tex.

Harmon, Cassandra Belle, *sp*, Geneva, N.Y. Geneva Hs. '93; New Haven S. of Gymnastics, New Haven, Conn., '98.

Harnage, Jane S., *s*, Tahlequah, Okla. Cherokee Sm. '03.

Harnish, Maud Alma, *s*, Batavia. Batavia Hs. 1897–1901; Chicago Art Inst. '04.

Harper, Dorothy Shaul, *a, w, sp*, Ottumwa, Iowa. Iowa State C. 1913–15.

Harper, Helen Gertrude, *s*, Chicago. Illinois Woman's C. 1914–15.

Harrington, Margaret Eulalie, *s*, Sherman, Tex. Sherman Hs. '06.

Harris, Beva Bryden, *a, w, sp*, Ponsa, Neb. Ponsa Hs. '10; Wayne State Normal S. '12.

Harris, George Latham, *s, a, w, sp*, Donora, Pa. Pennsylvania State Normal A. and S. 1907–11; Syracuse U. 1913–14; West Virginia U. '15.

Harris, Lelia Jane, *s*, Richmond, Ky. Madison Inst., Richmond, '95; Kentucky State U. 1907–9; Eastern Kentucky State Normal S. '15.

Harris, Lillian, *s*, Hamilton, Ohio. Hamilton Hs. '94.

Harris, Lola Marie, *s*, Durant, Okla. Southeastern Normal S., Durant, '16.

Harris, Lucy, *s*, Hillsboro, Ohio. Hillsboro Hs. '15.

Harrison, Mary S., *s*, Owensboro, Ky. Owensboro C. '92.

Hartman, Amanda, *s*, Des Moines, Iowa. East Des Moines Hs. '02.

Hartwell, Margaret Campbell, *a, w, sp*, Chicago. Lake Forest C. 1913–15.

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Haseltine, Mary Elizabeth, *a, w, sp*, Portland, Ore. Portland Art S. '15.
Haselton, Leo Guy, *a, w*, Kings. Northern Illinois State Normal S. '14.
Hatch, Gertrude, *s*, Chicago. West Division Hs. '00; Art Inst. 1901–4; Chicago S. of Applied and Normal Art.
Hatch, Lucy Joan, *s*, Whiting, Ind. Whiting Hs. '13.
Hatter, Grace Greenwood, *s*, Wellsville, N.Y. Wellsville Hs. '06; Geneseo State Normal S. '12.
Haugh, Margia Belvia, *s*, Battle Creek, Mich. Battle Creek Hs. '06; Western State Normal S. '09; Teachers' C., Summer '14.
Hays, Ethel, *s*, Jacksonville, Tex. Jacksonville Public S. '09; C. of Industrial Arts 1911–13.
Hazemann, Amanda, *a, w, sp*, Leland. Leland Hs. '98; Northern Illinois State Normal S. '08.
Hazleton, Lydia Louise, *s*, Minneapolis, Minn. Lansing, Iowa, Hs. '93; Winona, Minn., '07; Carleton C., Northfield, Minn., two years.
Heath, Blanche Gregory, *a, w, sp*, Chicago. Duluth Central Hs. '14; Lombard C. 1914–15.
Heath, Ruth, *s*, Crawfordsville, Ind. Crawfordsville Hs.; Teachers' C., Indianapolis, '13; Indiana U. '14.
Heaton, Jessie Rowland, *w, sp*, Louisville, Ky. U. of Louisville 1912–13, 1914–15; Sweet Briar C. 1913–14.
Heidorn, Anna Woodward, *sp*, Kirkwood, Mo. Maplewood Hs. 1908–9; Cape Girardeau Normal S. 1909–12.
Heller, Anne E., *s*, Spokane, Wash. Berkeley C., Summer '15.
Heller, Laura Beatrice, *s, w*, Fond du Lac, Wis. Stockbridge, Wis., Hs. '01; Oshkosh Normal S. '10.
Hellerich, Dorothea, *s*, Davenport, Iowa. Davenport Teachers' Training S. '95.
Hellerich, Matilda, *s*, Davenport, Iowa. Davenport Normal S. '95.
Helwinkel, Josephine Anna, *s*, Gardnerville, Nev. Gardnerville Hs. '07; U. of Nevada 1907–9.
Hemmings, Nellie M., *s*, East St. Louis. Pittsburgh Normal S. '03.
Hemphill, Florry Jane, *s*, Dallas, Tex. Industrial Inst. and C., Columbus, Miss., 1886–89.
Henderson, Agnes, *a*, Aberdeenshire, Scotland. Fyvie Aberdeenshire Hs. 1902–4.
Hendon, Mrs. Belle Ethel, *s*, Orange, Tex. Dawers A. '98; Bishop C. 1900–1901.
Henkins, Ethel Louise, *s*, Burlington, Kan. Burlington Hs. '07; Kansas State Normal S. '12.
Henry, Beryl, *s*, Bentonville, Ark. Eagle Mills Hs. '05; A.B. (Henderson Brown C.) '09.
Herring, Nellie, *a, w*, Beaumont, Tex. Beaumont Hs. '16.
Herzer, Mrs. Lavinia B., *s*, Loma Linda, Cal.
Heskett, Catherine Morris, *a, w, sp*, Chicago. Parker Hs. '14.
Heuse, Clara Louise, *s*, Madison, Ind. U. of Wisconsin, Summer '13; Bradley Polytechnic Inst. '11.
Hewett, Ruth, *s*, Soudan, Minn. Tower and Soudan Hs. '09; State Normal S., St. Cloud, Minn., '11.
Hicks, Callie A., *s*, Dallas, Tex. Dallas Hs. '05.

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Hicks, Mabel Geneva, *s*, Chicago. Englewood Hs. '12.
Higgins, Dorothy Harriet, *a*, *w*, *sp*, Chicago. Hyde Park Hs. '15.
Higgins, Marie F., *s*, Joliet. Ladies of Loretto Hs., Joliet, '11.
Higginson, Edith Esther, *a*, *w*, *sp*, Booneville, Ind. Booneville Hs. '14.
Hildebrandt, Ella, *s*, *a*, *w*, Bellewood. Proviso Township Hs. '13.
Hill, Etta G., *s*, Ellsworth, Iowa. Iowa State Teachers' C. 1910–12.
Hill, Laura Langson, *a*, *w*, *sp*, Chicago. Lewis Inst. '14.
Hill, Warner, *a*, *w*, *sp*, Sulphur, Okla. Paris Hs.; U. of Texas; U. of Florida.
Hills, May Althea, *s*, Mount Pleasant, Iowa. Iowa Wesleyan A. '95; A.B. (Iowa Wesleyan C.) '99.
Hinckley, Lydia Simmons, *a*, *w*, *sp*, Hinsdale. Hinsdale Township Hs. '15.
Hindes, Lorena, *s*, Lindsay, Okla. Murray, Iowa, Hs. 1899–1901; State Normal S., Edmond, Okla., '04; Teachers C., Columbia U., 1908–9.
Hines, Ethel F., *s*, Dallas, Tex. Sam Houston Normal S. '03.
Hirsch, Irene Therese, *s*, Des Moines, Iowa. West Hs. '05; Drake U., Kindergarten Department, 1907–10.
Hodge, John Frederic, *s*, St. James, Mo. State Normal S., Warrensburg, '02.
Hodges, Frankie, *s*, Whitesboro, Tex. Whitesboro Public S. 1900–1908; North Texas State Normal S. '12.
Hodges, Mary Phaf, *s*, Buckhannon, W.Va. West Virginia Wesleyan C. '12.
Hoffarth, Josephine, *a*, *w*, *sp*, Winona, Minn. St. Theresa Normal S. '14.
Hoffman, Dora E., *s*, Kansas City, Mo. Central Hs., Kansas City, '98.
Hoffmeister, Carrie, *s*, Golden City, Mo. Golden City Hs. 1907–8; Springfield State Normal S. '13; Missouri U., Summers 1914–15.
Hollister, Mary, *s*, Mukwonago, Wis. Mukwonago Hs. '10; Milwaukee Normal S. '10; Stout Inst. 1914–15.
Holmberg, Jennie Caroline, *sp*, Des Moines, Iowa. East Des Moines Hs. '84.
Holmes, Agnes, *s*, Hanover, Colo. Colorado State Teachers' C. Hs. '10; A.M. (Colorado State Teachers' C.) '14.
Holt, Lucy Mason, *s*, Norfolk, Va. Maury Hs. 1897–1901.
Holton, Ethel Elaine, *s*, Miltonvale, Kan. Kansas State Normal Hs. '12; S.B. (Kansas State Normal S.) '15.
Holton, Frances Sanders, *a*, *w*, *sp*, Chicago. Englewood Hs.
Holton, Gladys Elizabeth, *a*, *w*, *sp*, Chicago. Englewood Hs. '14.
Holton, Jesse Levy, *s*, Eddyville, Ky. Glouster Hs. '09; A.B. (Campbell-Hagerman C.) '11.
Holzer, Gilbert J., *s*, Minneapolis, Minn. Oshkosh Normal S. '03; Stout Inst. '10.
Hood, Bessie Alice, *s*, Racine, Wis. Racine Hs. '95.
Hood, Edna Elzie, *s*, Racine, Wis. Racine Hs. '95.
Hooker, Miriam Helen, *s*, *a*, *w*, *sp*, Fort Scott, Kan. Kansas City, Mo., Hs. 1898–1900; Emporia State Normal S. '02; Stout Inst. '10.
Hooper, Elizabeth Lottie, *a*, *w*, *sp*, Edinburg, Miss. Edinburg Hs. '99; U. of Mississippi, Summer '05; U. of Virginia, Summer '14; Mississippi Industrial Inst. and C. '05.
Hooper, Hilda Wanzer, *w*, Chicago. U. of South Dakota 1914–16.
Hoover, Miriam C., *s*, Fort Dodge, Iowa. Chicago Froebel Association '13.
Hopkins, Edith Amelia, *s*, Kansas City, Kan. Abilene Hs. '01.
Hopper, Anna Elizabeth, *s*, Jacksonville. Jacksonville Hs. '04.

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Hopper, Arch M., *s*, Natchitoches, La. Indiana State Normal S. '08.
Horning, Noah Orestes, *s*, Long Beach, Cal. Fruita Union Hs. '10; Ped.M. (Colorado State Teachers' C.) '16.
Hosey, Gertrude, *s*, Atlanta, Mo. Kirksville Normal S. '10.
Hough, Dorothy, *a*, *w*, *sp*, Chicago. Hyde Park Hs. '15.
Houstman, Chauncey Ray, *s*, Manhattan, Mont. Olin Hs. '05; A.B. (Iowa State Teachers' C.) '12.
Hubbard, Mary Isabella, *s*, Francesville, Ind. Valparaiso U.; Muncie Normal S.
Hubbart, Lola Clementine, *s*, Fort Scott, Kan. Fort Scott Hs. '92.
Huddleston, Willia, *s*, Oak Hill, W.Va. Huntington Normal S.; U. of West Virginia.
Hudler, Edna E., *s*, St. Louis, Mo. Washington U.
Hudson, Helen S., *s*, Birmingham, Ala. Public S., Selma, Ala.
Hudson, Mabel J., *a*, *w*, *sp*, Fort Worth, Tex. Fort Worth Hs. '11.
Huffman, Ida Belle, *s*, Gilman. Gilman Hs.; Grand Prairie Sm. '08; Illinois State Normal U. '12; Winona C., Summer '13.
Hughes, John W., *s*, East St. Louis. L.B. (Berea C.) '95.
Hughes, Nellie A., *s*, Louisville, Ky. Central Hs., Louisville, '02; Central Normal S., Louisville, '04.
Hughes, Rachel Elizabeth, *s*, Chicago. Lawrence, Kan., Hs. '95.
Humfeld, Fannie Q., *s*, Kansas City, Mo. Manual Training Hs., Kansas City, '07; Chicago A. of Fine Arts; Kansas State Agricultural C.
Hungerford, Frances Cleveland, *a*, Iowa City, Iowa. South Bend, Indiana, Hs. '10; Western State Normal S., Kalamazoo, Mich., '12.
Hunt, Charles Emerson, *s*, Lewisburg, Ohio. Harrison Township Hs. '08; Miami U., Summer '10; Ohio U., C. of Agriculture, 1913–14.
Hunt, Mrs. Elizabeth S., *s*, Wagoner, Okla. Tahlequah Inst. '99; Tahlequah Normal S. '00.
Hunt, Mrs. Sallie B., *s*, Kansas City, Mo. Girard, Kan., Hs. '90; Pittsburg, Kan., Normal S. '05.
Hunter, Mary V., *s*, Indianapolis, Ind. Shortridge Hs. '12; Indianapolis Normal S. '15.
Huppertz, Mary Frances, *s*, San Antonio, Tex. San Antonio Hs. '97; U. of Texas 1897–98.
Hutchison, Maybelle Emarry, *a*, *w*, *sp*, Indianapolis, Ind. Shortridge Hs. '09; Teachers' C., Indianapolis, 1909–10.
Hutchison, Nancy Lois, *sp*, Beaumont, Tex. Beaumont Hs. '17.
Hyatt, Charlotte Wells, *s*, Moss Point, Miss. St. Louis Hs. '84; Mississippi Normal S., Summers 1905, '06, '08, '10; Tennessee Normal S., Summer '12.
Hyatt, Christiana, *s*, Springfield, Mo. State Normal S. '08.
Hyman, Pauline Beatrice, *sp*, Lima, Ohio. Napoleon, Ohio, Hs. '14.
Icke, Mary Ellen, *s*, Streator. Kansas State Normal S.
Imes, Edith, *sp*, Kendallville, Ind. Kendallville Hs. '04; Indiana State Normal S. '04; Pratt Inst. Institutional Hs. '13.
Irwin, Alice Mae, *s*, Chicago. Indiana State Normal S. 1905–6; Northern Illinois State Normal S. 1909–10.
Isaacs, Le Roy, *s*, Hoyt, Kan. Kansas State Normal Hs.; S.B. (Kansas State Normal S.).

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Israelstam, Sadye Esther, *a*, *w*, *sp*, Chicago. Marshall Hs. '16.

Jack, Florence Opal, *s*, Waucoma, Iowa. Cedar Falls '10.

Jackson, Dudley Chase, *s*, Quincy. Logansport Hs. '05; Bradley Polytechnic Inst., Summers '13, '14; Purdue U. 1906–7; Teachers C., Columbia U., 1913–15.

Jackson, Edna Carolyn, *s*, Cincinnati, Ohio. Pleasant Ridge Hs. '09; Cincinnati Home Economics Training S. '11.

Jackson, Louise M., *s*, Cincinnati, Ohio. Miami U.; U. of Wisconsin; Cincinnati Normal S. '96.

Jackson, Mary Lee, *s*, Glasgow, Mo. Glasgow Hs. '01; Western U. '04.

Jacobs, Lydia Elisabeth, *a*, Rockford. San Jose Hs. '97; Illinois State Normal U. 1910–11, '13.

Jacobson, Rufus Ingman, *s*, Provo, Utah. Brigham Young U. Hs. '13; Brigham Young U. Normal S. '14.

James, Albert Ward, *s*, Columbus, Ind. Wichita, Kan., Hs. '09; State Manual Training Normal S. '13.

James, Goldie Clare, *s*, Glenville, W.Va. Glenville State Normal S. '11; West Virginia U. 1912–14.

Jameson, Eva A., *s*, Beloit, Wis. Vicksburg, Mich., Hs. '83; Western State Normal S. '07.

Janovsky, Mildred Julia, *a*, Chicago. Lucy Flower Technical Hs. '15.

Jarrell, Katharine, *s*, *a*, San Antonio, Tex. U. of Tennessee 1898–99; U. of Texas 1900–1901.

Jarrett, Armeda Mae, *s*, Chicago. Sumner Hs. '11; Sumner Normal S. '13.

Jarvis, Mildred, *s*, Troup, Tex. Troup Hs. '11; C. of Industrial Arts '14.

Jensen, Marie Laura, *s*, Sheridan, Wyo. State Normal S., Spearfish, S.D., '14.

Jerome, Frances Catherine, *sp*, Chicago. Lewis Inst. '12; Lewis Inst. '15.

Johnson, Ethel Margaret, *a*, *w*, *sp*, Chicago. Harrison Technical Hs. '15.

Johnson, Mrs. Ethyle Mary, *a*, *w*, Durant, Okla. Durant Hs. '04; Presbyterian C. 1904–5; East Texas C. 1915–16.

Johnson, L. Pearl, *s*, Taylorville. Illinois State Normal U. '14.

Johnson, Mrs. Nellie J., *s*, Houston, Tex. Prairie View State Normal S. '95.

Johnson, Phoebe Louise, *a*, *w*, *sp*, Kirksville, Mo. Normal Preparatory Kirksville State Normal S. '04; U. of Wisconsin.

Johnson, Ralph Waldo, *s*, Saratoga, Ind.

Johnson, Raymond Cyrus, *s*, Rochester, Ind. Earlham C. 1901–3; Indiana U., Summers 1906–10.

Johnston, Florence Eugenia, *a*, Byron. Byron Hs. '09; Valparaiso U. 1912–13.

Johnston, Isabella, *s*, St. Louis, Mo. St. Louis Central Hs. '88; St. Louis Normal S. '90.

Johnston, Laura May, *s*, Plymouth, N.H. Grinnell C. '09.

Johnston, Minnie Lee, *s*, San Antonio, Tex.

Johnston, Nell Patterson, *s*, Nicholasville, Ky. Louisville Hs.; Goward Female C.; Eastern Kentucky State Normal S. '13.

Johnston, Ola E., *s*, Paducah, Ky. Paducah Hs. '12; Western Kentucky State Normal '16.

Johnston, Susan, *s*, St. Louis, Mo. St. Louis Central Hs. '88; St. Louis Kindergarten Normal S. '95.

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Johnston, Winifred, J., *s*, Oklahoma City, Okla. Central Normal S. '14.
Jolly, Katharine Wilhelma, *s*, Atlanta, Ga. Atlanta Kindergarten Training S. '06.
Jones, Anna E., *s*, Wilmington. Wilmington Hs.
Jones, Clara Frances, *s*, St. Louis, Mo. St. Louis Normal S. '96.
Jones, Effie, *s*, Carmi. Southern Illinois State Normal S., Summer '14.
Jones, Hortense A., *sp*, Chicago. University Hs. '08.
Jones, John Ard, *a*, *w*, *sp*, Warren, Ind. Warren Hs.; U. of Indiana.
Jones, Lenore Ida, *s*, Mobile, Ala. Barton A., Mobile, '05; S.B. (Maryland C. for Women) '08.
Jones, Louise Harriet, *s*, Victor, Colo. Racine, Wis., Hs. '93.
Jones, Mable A., *a*, *w*, *sp*, Chicago. Englewood Hs. '00.
Jones, Mildred, *s*, Tulsa, Okla. Tulsa Hs. '07.
Jones, Nellie E., *s*, Beloit, Wis. Beloit Hs. '93.
Jones, Thomas Elmer, *s*, Warrensburg, Mo. Missouri State Normal S. '04; Missouri U. 1910–13.
Jordan, Ethel Mae, *s*, Nashville, Tenn. Tuskegee Inst. and Walden U. '04; Fisk U. '08.
Jordan, Mrs. Louise Bulger, *s*, *a*, *w*, *sp*, Fostoria, Ohio. Fostoria Hs. '99.
Judd, Laura M., *s*, Clinton, Iowa. Clinton Hs. '95.
Kahn, Marjorie Jane, *s*, Chicago. Brookline Hs. '15.
Kallison, Pauline Lillian, *a*, *w*, *sp*, San Antonio, Tex. San Antonio Hs. '16.
Kauffman, Mrs. Mae MaGruder, *s*, St. Louis, Mo. Fort Smith, Ark., Hs. '06.
Kauffman, Margaret Catherine, *s*, Washington, Ind. Indiana U.
Kearins, Nellie C., *s*, Chicago.
Keating, Harriet May, *s*, Stockton, Cal. Stockton Hs. '82; San Jose State Normal S. '83; Stout Inst. '10.
Keefe, Bessie, *s*, Springfield. Springfield Hs. '14; Springfield Teachers' Training S. '15.
Keegan, Louise Marie, *s*, *sp*, Crawfordsville, Ind. Crawfordsville Hs. '86.
Keenan, Mary Elizabeth, *s*, Scranton, Pa. Scranton Training S. '95.
Keezel, Mrs. Clara C., *s*, Ottawa, Kan. Fulton, Ill., Hs. '84; S.B. (Leander Clark C.) '88.
Kelly, Rose A., *s*, Crawfordsville, Ind. Terre Haute Normal S. '00.
Kelsey, Stella, *s*, Richmond, Ind. Richmond State Normal S. '99; Earlham C.
Kenaston, Marie Antoinette, *s*, Crawfordsville, Ind. Western C. '05.
Kenefick, Jane Gray, *s*, St. Louis, Mo. St. Louis Central Hs. '92; St. Louis Normal S. '94.
Kenney, Loretto D., *s*, Chicago. Lourdes Hs. 1907–11.
Kerr, Earl Snyder, *s*, Twinsburg, Ohio. Freeport Hs. '06; Ohio Wesleyan U. 1911–13.
Kidd, Eva Waneta, *s*, Brazil, Ind. Brazil Hs. '13; Purdue U. 1913–14; Stout Inst., Summer '15.
Kiger, Jennie Marie, *s*, Burlington, Kan. Burlington Hs. '06; Northwestern State Normal S., Alva, Oklahoma, '11.
Kilcullen, Mae Theresa, *s*, Chicago Heights. Chicago Teachers C. '06.
Kile, Madeleine Mildred, *s*, *w*, *sp*, Billings, Mont. Lewis Inst.
Kilgore, Alice Rodgers, *s*, Minneapolis, Minn. U. of Minnesota.

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Kilton, Inez Gertrude, *a, w, sp*, Worcester, Mass. Worcester, Mass., State Normal S. '03.

Kimber, Jean, *s*, Oswego, N.Y. Robert A. Waller Hs., Chicago, '00; Massachusetts Normal Art S., Boston, '06; U. of Pennsylvania 1910–11.

Kinard, Ella, *a*, Chicago. Los Angeles Hs. '10; Los Angeles State Normal S., Summer '12; U. of Southern California, Summer '13.

King, Edna Marion, *a, w, sp*, Chicago. Thomas Normal Training S.

King, Jennie M., *s*, Chicago. Atlanta U. '06 and '10.

King, Katherine Margaret, *s*, Pittsburgh, Pa. St. Paul's Cathedral S. '01; Pittsburgh Hs. '05.

King, Keo, *s*, Parker, S.D. Parker Hs. 1887–88; Normal Course, Dakota Wesleyan C. '00.

King, William L. G., *s*, Memphis, Tenn. Atlanta U. Hs. '07; Atlanta U. '11.

Kingery, Margaret, *s, a, w, sp*, Chicago. Crawfordsville Hs. '13.

Kinnick, Marguerite Jean, *sp*, Chicago. Englewood Hs. 1912–13; Adel Township Hs. 1914–15; Frances Shimer Junior C. '16.

Kinsella, Jane, *a, w, sp*, Chicago. Kansas State Manual Training S. 1914–15.

Kinsey, Olive A., *s*, Chicago. Dowagiac Hs. '05; Michigan State Normal S. '08.

Kirby, Clara Eleanor, *s*, Ottawa, Kan. A.B. (Kansas State C.) '12.

Kirk, Clara Kathryn, *s*, Indianapolis, Ind. Shortridge Hs. '13; Indianapolis Normal S. '15.

Kirk, Robert H., *w*, Dublin, Tex. S.B. (John Tarleton C.) '08.

Kirkbride, Alice, *s*, Tulsa, Okla. Toledo Normal S. '08.

Kirkham, Annie Louise, *s*, Chicago. Southern Illinois State Normal S. 1890–97.

Kirkpatrick, Mary Ethel, *s*, Richmond, Mo. Richmond Hs. '03; Cape Girardeau '16.

Kittrell, Charles A., *s*, Devils Lake, N.D. Wilmington C. Preparatory S. '05; S.B. (Wilmington C.) '09.

Kjartansson, Olafur, *a, w, sp*, Vik, Myrdal, Iceland. Iceland Normal S. '11; Ruakins C.; U. of Oxford.

Klatt, Maude Lenora, *s*, Tripp, S.D. Tripp Hs. '12; Dakota Wesleyan C. 1913–16.

Klein, Anna, *a, w, sp*, Chicago. Wendell Phillips Hs.

Klein, Hortense, *a, w, sp*, Chicago. Wendell Phillips Hs. '15.

Klein, Paul Eugene, *a, w, sp*, San Diego, Cal. San Diego Hs. '13; San Diego State Normal S. 1915–16.

Kneedy, Clara Dorothy, *s*, Chicago. Drake U.

Knight, Bessie Place, *s*, Spencer, Iowa. Spencer Hs. '92.

Knight, Luella, *a, w, sp*, Aurora. U. of Michigan 1913–14.

Knox, William John, *s*, San Antonio, Tex. San Antonio Hs. '85; U. of Texas, Summers 1898–1907.

Knudsen, Dagmar, *s*, Superior, Wis. Superior State Normal S. '06.

Knutzen, Agnes, *a, w, sp*, Kearney, Neb. Kearney Hs. '06; Kearney State Normal S. '08.

Knutzen, Harret Valdina, *a*, Kearney, Neb. Kearney State Normal S.

Koch, Rudolf, *s*, Fruitlandville, Ind. Elmhurst Hs. '00; A.B. (Valparaiso U.) '14.

Kochenderfer, Mary Grace, *s*, Ashtabula, Ohio. A.B. (Ohio Northern U.) '13.

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Kochenderfer, Minnie, *s*, Ashtabula, Ohio. Millersburg Hs. '15; Ohio U. Summer '15.

Koelle, Ophelia, *s*, Chicago. Boonville, Mo., Hs. '86; Central Wesleyan C., Warrenton, Mo., '88.

Kohler, Katharine M., *s*, Minneapolis, Minn. Mankato, Minn., Hs. '95.

Kohnhorst, Gertrude, *s*, Louisville, Ky. Louisville Girls' Hs. '07; Louisville Normal S. '09; U. of Louisville 1907–8.

Kolbe, Ethel, *s*, *a*, *w*, Chicago. Calumet Hs. '12.

Kramer, Elizabeth Mary, *s*, Kansas City, Kan. Kansas City Hs. '06; National Business C. '13; Kansas State Agricultural C. '07; Santa Barbara State Normal S. '15.

Kraus, Katherine Marie, *a*, *w*, *sp*, Marshfield, Wis. Marshfield Hs. '15; St. Clara C. 1915–16.

Kropf, Irene Victoria Anna, *s*, Miles City, Mont. Kansas State Normal S. '16; Art Inst. '16.

Kuhn, Minnie Frances, *s*, Muscatine, Iowa. Muscatine Hs. '06; Art Inst.

Kurre, Maud Ethel, *s*, Jackson, Mo. State Normal S., Springfield, '14.

La Barge, Harry L., *s*, Muskegon Heights, Mich. Western State Normal S., Kalamazoo, '13.

Lacey, Martha Lucille, *s*, Caruthersville, Mo. Caruthersville Hs. '10; Cape Girardeau Normal S. '12.

Lacey, Mrs. Ruby R., *s*, Atlanta, Ga. Atlanta Kindergarten S. '08.

Lackey, Josephine, *s*, Weatherford, Okla. Southwestern State Normal S. '13.

Laird, Willa Mae, *s*, Maysville. Bradley Polytechnic Inst. '11.

Lamb, Myrtle, *a*, *w*, *sp*, Beardstown. Beardstown Hs. '13.

Lancaster, Louise Elizabeth, *s*, San Antonio, Tex. Peabody Normal S. '96.

Lancaster, Robbie Edna, *s*, Ennis, Tex. Ennis Hs. '10; North Texas State Normal S. 1910–11.

Lane, Anna Elizabeth, *s*, Weatherford, Okla. Salina Normal U. '00.

Lane, Jessie Alice, *sp*, Shelbyville. Shelbyville Hs. '04.

Lants, Dorothy, *a*, *w*, *sp*, Lyons, Kan. Lyons Hs. '14.

Larwood, Rose Emma, *s*, Rochester, N.Y. Rochester Training S. '08.

Lathe, Nama Aurelia, *s*, Benton Harbor, Mich. Knox C.

Lawver, Earl A., *s*, Freeport. Freeport Hs. '11; James Millikin U. 1911–13.

Lawyer, Verna, *s*, Macomb. Western Illinois Normal A. '12; Western Illinois Normal S. '14.

Lay, Cora, *s*, Fredonia, Tex. State Normal S.; Baylor U.

Laycock, Ada, *s*, Tulsa, Okla. Central State Normal S., Oklahoma, '12.

Lazarski, Balbina Genevieve, *s*, Chicago. Bowen Hs. '15.

Lea, Clara Elisabeth, *a*, *w*, *sp*, Sycamore, Ohio. Ursuline C. 1912–13.

Leaton, Louise Lockerby, *s*, Bloomington.

Leavitt, Mrs. Flora H., *w*, Chicago. Unclassified.

Lee, Mrs. A. Edith, *s*, Dallas, Tex. Cherry St. Hs. '89.

Lee, Curtis Fitzhugh, *s*, Davis, W.Va. Davis Hs. '04; Marshall C. '07; A.B. (Valparaiso U.) '15.

Lee, Rose, *s*, *a*, *w*, *sp*, Chicago. Wendell Phillips Hs. '13.

Lehman, Blanche Mae, *s*, Canal Winchester, Ohio. Canal Winchester Hs. '03; Columbus Normal S. 1903–4; Ohio U., Summer '10.

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Leitner, Almena, *s*, Kissimmee, Fla.
Lenning, Gladys, *s*, Duluth, Minn. Wilberforce U. '11; Minnesota C. '13.
Lenser, Julia Ella, *s*, Canton, Ohio. Canton Hs. '99.
Leonard, Sophia O., *s*, St. Louis, Mo. Wilberforce U. '11; Minnesota C. '13.
Leonhard, Vera Josephine, *a, w, sp*, Severance, Kan. McPherson Hs. '15.
Lester, James Treloar, *s*, Norborne, Mo. Norborne Hs. '14.
Levis, Marion Emmeline, *a, w, sp*, Little Falls, Minn. Little Falls Hs. '14.
Lewis, Ailer Idonia, *s*, Pine Bluff, Ark. Branch Normal S. '13.
Lewis, Dennis M., *s*, Chickasha, Okla. Kingfisher Hs. Normal S. '99; Kansas State Normal S. '15.
Lewis, Floy, *s*, Nacogdoches, Tex. Burnet, Tex., Hs. '09; Southwest Texas Normal S. '11.
Lewis, Lucile Mildred, *a, w, sp*, Webster Groves, Mo. Washington U. 1913–15.
Lewis, Ralph R., *s*, Gregory, S.D. Iowa State Teachers C. 1898–1900.
Liek, Edna B., *sp*, Dubuque, Iowa. Iowa State Teachers C. 1911–12; '17.
Light, Edith Marion, *w, sp*, Chicago. Deerfield-Shields Hs. '16.
Light, Lillis Elnora, *s*, Pond Creek, Okla. Pond Creek Hs. '11; Oklahoma Northwestern Normal S. '15.
Lighthall, Lora, *s*, Alden, Iowa. Alden Hs. '98; Iowa State Normal S. '06.
Lindahl, Hannah Mathilda, *s*, South Bend, Ind. New Carlisle Hs. '08; Indiana State Normal S. '11.
Lindsay, Edna May, *a*, Decatur. Decatur Hs. '94; Froebelian S. '99; Chicago Teachers C. '13.
Link, Theodore August L., *s, a, w, sp*, Laporte, Ind. Laporte Hs. '15.
Lintner, Ida M., *s*, Joliet. Northwestern C. 1894–98.
Lipscomb, Mildred Burns, *s*, Aspermont, Tex. Albany Hs. '08; U. of Texas '09; West Texas State Normal S. '13.
List, Florence M., *s*, Saginaw, Mich. Vassar Hs. '06; Central State Normal S. '12.
Little, Grover Cleveland, *s*, Gadsden, Ala. West Point Military A.; Howard C.
Little, Lily Wade, *s*, Macon, Ga. Atlanta Hs. '93; L.B. (Agnes Scott C.) '97; Elam Alexander C. '04.
Little, Winston Woodard, *s*, Wesson, Miss. Ruskin Cone C. 1909–10; S.B. (Mississippi C.) '14.
Livingston, Martha, *s*, Chicago. Chicago Froebel S. '01; Lewis Inst. '14.
Livingston, Ruth, *s, a*, Chicago. Wendell Phillips Hs. '14.
Lochhead, Dema, *s*, Bonham, Tex. Gilmer Hs. '10; Southwest Texas State Normal S. '14.
Lochhead, Jewell, *s*, Bonham, Tex. Terrell Hs. '05; Southwest Texas State Normal S. '06; U. of Texas.
Locke, Mary Eleanor, *s*, Louisville, Ky. Louisville Girls' Hs. '88; Louisville Normal S. '89; U. of Louisville.
Lockrey, Gracia Loraine, *a, w, sp*, Chicago. Lewis Inst. '15.
Loehwing, Walter F., *a, w, sp*, Chicago. Englewood Hs. '14.
Loessberg, Martha Elsie, *s*, San Antonio, Tex. San Antonio Hs. '87.
Loewenstein, Amelia, *a, w, sp*, Kearney, Neb. Kearney Hs. '12; Kearney State Normal S. '14.
Loewenstein, Roselyn Jean, *s*, Louisville, Ky. Walnut Hill Hs., Cincinnati, Ohio, '01; Louisville Normal S. '10.

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Logan, Chloa Inis, *s*, Bryant, Ind. Bryant Hs. '12; Muncie Normal S. 1912–13.
Logan, Elisabeth, *s*, Chicago. Science Hill 1903–4.
Logan, Jean W., *s*, Detroit, Mich. Detroit Hs. '94; Detroit Normal S. '95; Columbia U. 1912–13.
Lommen, Georgina L., *s*, Caledonia, Minn. Winona State Normal S. '15; U. of Minnesota '16.
Long, Ida Juanita, *a*, *w*, *sp*, St. John, Kan. St. John Hs. '10; Kansas State Normal S. '13; U. of Colorado '16.
Lord, Georgina Helen, *s*, Peoria. Bradley Polytechnic Inst.
Lotz, Marjorie, *a*, *w*, *sp*, Denver, Colo. North Side Hs., Denver, '14; Colorado Woman's C. '16.
Lovett, Blanche Mary, *s*, Beloit, Wis. Chicago Kindergarten Inst. '04.
Lowe, Belle, *s*, Chillicothe, Mo. Chillicothe Hs. '04; Kirksville State Normal S. '07.
Lowenberg, Miriam Elizabeth, *a*, *w*, *sp*, Ottumwa, Iowa. Ottumwa Hs. '14.
Lucas, Laura, *s*, Brownstown, Ind. Teachers' C., Indianapolis, 1908–10.
Ludlow, Susan Bruce, *sp*, Cleveland, Ohio. Toledo Hs. '92; Cleveland Kindergarten Training S. '98; National Kindergarten C. '99.
Luebbing, Helen Gratia, *a*, *w*, *sp*, Freeport. Freeport Hs. '14; Technical Normal S. '15.
Lundgren, Katherine Alice, *s*, Burlington, Iowa. Burlington Hs. '96; L.B. (Iowa Wesleyan C.) '98.
Luscombe, Ruth, *s*, Dyersburg, Tenn. Lebanon C.
Lyon, Dora, *s*, Council Bluffs, Iowa. Council Bluffs Hs. '94.
Lyon, Esther R., *s*, Atlanta, Ga. Girls' Hs. '07; Atlanta Summer Normal S. '08.
Mabbs, Jennie, *s*, Hammond, Ind. Allegan, Mich., Hs. '81.
McAllister, Florence, *s*, Omaha, Neb. Teachers' Training Class, Omaha, '06.
McBride, James Lawrence, *s*, Chicago. Chicago Teachers C. 1909–11.
McCasey, Frances Estelle, *s*, Concordia, Kan. Concordia Hs.; Concordia Normal S. '07.
McChesney, Mrs. Bessie, *s*, Dallas, Tex. Trinity U. 1903–5; Southwest Texas State Normal S. '15.
McClure, Mary E., *s*, Louisville, Ky. Louisville Hs. '00; Louisville Normal S. '02.
McConnell, Leona, *s*, South Whitley, Ind. South Whitley Hs. '12; Thomas Normal Training S. '13; Valparaiso U. 1911–12.
McConnell, Lyde Ella, *s*, Topeka, Kan. Topeka Hs. '00.
McCormick, Ada Florence, *s*, Lancaster, Wis. Lancaster Hs. '07; Oberlin Kindergarten S. '09.
McCoy, James Carroll, *s*, Dallas, Tex. Tillotson Inst. 1901–6; Fisk U. 1908–12.
McCoy, Ruth, *a*, *w*, *sp*, New Richmond, Wis. Milwaukee-Downer C. 1914–15.
MacDonald, Violet Isabelle, *a*, *w*, *sp*, Butte, Mont. Butte Hs. '14; U. of Montana 1914–16.
McDuffie, Jeannette, *s*, Waxahachie, Tex. Waxahachie Public S. '00; U. of Texas 1900–1901.
McEachron, Edith Leauna, *s*, Burlington, Wis. Union Grove Hs. '04; Whitewater Normal S. '12; U. of California.
McElwain, Stella M., *s*, Chicago. Calumet Hs. '10; De Kalb State Normal S.

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McEvoy, Zoe, *s*, Dallas, Tex. Northern Texas State Normal S. '12.
MacFarlane, Nina Viola, *a*, *w*, *sp*, Whitewater, Wis. Whitewater Hs. '10; Bradley Polytechnic Inst. 1910–12.
McGeorge, Gladys, *s*, Columbus, Miss. Columbus Hs. '06; Maryland Inst. 1909–10.
McGuine, Gertrude V., *s*, Wausau, Wis. Wonewoc Hs. 1894–95; Milwaukee State Normal S. 1906–7.
McGuire, Ella Cecelia, *s*, Chicago. St. James Hs. '13.
McIlwain, Rose, *s*, Kansas City, Kan. Kansas State Normal S. '98.
McIntosh, Belle, *s*, Seattle, Wash. Iowa State C. '92.
McKay, Lockerby Forbes, *s*, Temple, Tex. Baylor U. 1903–6; U. of Texas, Summers '09, '11, '13.
McKenny, Irene Claire, *a*, *w*, *sp*, Chicago. St. Catharine's Hs. '16.
McKercher, Ethel Crosby, *s*, Portland, Ore. Portland Hs. '97.
Mackey, Ruth Clarissa, *a*, Durant, Okla. Southeastern State Normal S. '16.
McKinley, Cora M., *s*, Chicago. Lake View Hs. '98; Chicago Normal S. '99.
McKinney, Hallie, *s*, Durant, Okla. Carlton C. '91.
McKinnon, Mary, *w*, De Funiak Springs, Fla. Florida State Normal S.
McLean, Mary Esther, *a*, *w*, *sp*, Oak Park. Oak Park Hs. '13.
McLure, Lilla, *s*, Ruston, La. Peabody C. for Teachers 1903–4; Louisiana State Normal S. '11.
McManis, Jay Wilbur, *s*, Kansas City, Kan. Park A. '00; Park C. 1901–5; Central State Normal S., Oklahoma.
McMeen, Josephine Elizabeth, *s*, Chicago. St. Xavier's A. '06; Chicago Normal S.
McMillan, Eva Myrtle, *a*, *w*, *sp*, Macomb. Western Illinois Normal A. '11.
McMinn, Sunshine, *s*, Tyler, Tex. Troup Public S. 1909–11; North Texas State Normal S. '13.
MacMullan, Veda, *a*, *w*, *sp*, Fort Dodge, Iowa. Fort Dodge Hs.
McNamee, Nellie, *s*, Wabash, Ind.
McNeal, Nancy Hill, *s*, Chicago. Western Kentucky State Normal S. '08; Bourbon Female C.; Columbia U.
McNeill, Elizabeth Graham, *s*, *a*, *w*, *sp*, San Antonio, Tex. San Antonio Hs. '97.
McNeill, Flora Isabel, *s*, San Antonio, Tex. Sam Houston State Normal S. '94.
McNierney, Evelyn Louise, *a*, *w*, *sp*, Titusville, Pa. Mount St. Vincent A. '13; National S. of Domestic Science '10.
McNorton, Carrie Mae, *a*, *w*, *sp*, Fort Worth, Tex. Fort Worth Hs.
McPherson, Carrie May Will, *s*, Shreveport, La. Tuskegee Inst. '11.
McPherson, Orpha, *s*, Greenwood, Mo. Greenwood Hs. '06; State Normal S., Warrensburg, '12.
McQueen, M. Virginia, *s*, Chicago. Illinois State Normal S.; Austin C.
Maddock, Rosa G., *s*, Chicago. John Marshall Hs. '98; Chicago Normal C. 1898–99.
Magee, L. Grace, *s*, New Hampton, Mo. New Hampton Hs. '06; State Normal S., Warrensburg, '12.
Magill, Katherine Robinson, *w*, *sp*, Chicago. Girton S. '16.
Mallonee, Floy, *s*, Wichita, Kan. Lewis A. '03; Fairmount C. 1915–16.
Maloney, Ethel Marie, *a*, *w*, *sp*, Chicago. Calumet Hs. '15.

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Mangan, Mae C., *s*, Elkpoint, S.D. Elkpoint Hs. '07; Aberdeen Normal S., S.D., '11; South Dakota State C. '13.

Mangon, Elisabeth Cecilia, *s*, Kewanee. Kewanee Hs. '95; Illinois State Normal U.; Michigan State Normal C.

Mangon, Nettie Agnes, *s*, Kewanee. Kewanee Hs. '99; Illinois State Normal U.; Michigan State Normal C.

Mangrum, William Valentine, *s*, New Harmony, Ind. Owensville, Ind., Hs. '92; Indiana State Normal S. '96; Indiana U. 1896–1910.

Manifold, Eleanor, *s*, *a*, *w*, *sp*, Chicago. John Marshall Hs. '16.

Manning, Margaret, *w*, *sp*, Keosauqua, Iowa. Grinnell C. 1914–16.

Manson, Jean, *s*, Chicago. Cincinnati, Ohio, Hs. '90; Columbia S. of Expression 1907–10.

Manuel, Lulu, *s*, St. Louis, Mo.

Marble, Frances Lillian, *s*, Muskegon, Mich. Ursuline A., Muskegon, 1905–10; Muskegon City Normal S. 1910–12.

Marks, Sallie, *s*, Albemarle, N.C. Albemarle Hs. '07; Southwestern Normal S. '12; Meridian Woman's C.

Marlow, Mellie Mae, *s*, Wellsville, Mo. Wellsville Hs. '11; Howard Payne C. '14; Kirksville State Normal S. '15.

Marr, Dulcemia, *s*, Liberty, Mo.

Marriott, Annie Alice, *s*, McCune, Kan. Preparatory State Manual Training Normal S. '11; State Manual Training Normal S. '13.

Marshall, Eleanor Margaret, *a*, *w*, *sp*, Hinsdale. Hinsdale Township Hs. '15.

Marshall, Isabel Edna, *s*, Des Moines, Iowa. Denison Hs. '01; Drake U., Kindergarten Training S. '06.

Marshall, Orpha May, *s*, Des Moines, Iowa. Denison Hs. '99; Iowa State Normal S.; U. of Colorado.

Martin, Allie, *s*, Madison, Ind.

Martin, Edith June, *s*, Kearney, Mo. State Normal S., Warrensburg, '14.

Martin, Frederick William, *a*, *w*, *sp*, Chicago. Tuley Hs. '12.

Martin, Jasper Maurice, *s*, Bismarck, N.D. A.B. and A.M. (Otterbein U.).

Martin, Mary Louise, *s*, Minneapolis, Minn. East Minneapolis Hs.; Winona Normal S., Minnesota, '15.

Martin, Mildred Marie, *a*, *w*, *sp*, Washington, Iowa. Milwaukee-Downer C.

Martin, Pearl Mabel, *s*, *a*, *w*, *sp*, Austin, Minn. U. of Minnesota 1905–6.

Mason, Cleoda V., *s*, Louisville, Ky. Central Hs. '07; Kentucky Normal and Industrial Inst.

Mason, Eva Taylor, *s*, Louisville, Ky. Louisville Girls' Hs. '99; Louisville Normal S. '01.

Massa, Ruth Norton, *a*, *w*, *sp*, Northport, Mich. Manual Training Hs., Kansas City, Mo., 1902–6; Froebel Kindergarten Training S. '10.

Masters, Russie, *s*, Chicago. Wabash Hs. '14.

Mathews, Archie Marr, *s*, Jackson, Mo. Cape Girardeau Normal S. '06; Missouri State Normal S., Third District, Missouri, '14.

Mathews, Lucy P., *s*, Chicago.

Mathews, Marjorie Ellen, *a*, *w*, *sp*, Marquette, Mich. Marquette Hs. '12; Michigan Northern State Normal S. '15.

Mattern, Louise Hallman, *a*, *w*, *sp*, Whiting, Ind. Whiting Hs. '14.

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Matthews, Pearle, *s*, Dorras, Tex. Taylor and Brownwood Hs. 1901–4; Southwest Texas State Normal S.

Mattock, Marcus Andrew, *s*, Foreman, Ark. Woodberry Normal Inst. 1898–1900; Ouachita C. Preparatory 1900–1902; A.B. (Ouachita C.) '06.

Mayerhoff, Cora, *s*, Carthage, Mo. Carthage Hs. '90; State Normal S., Warrensburg.

Mayhew, Maude, *s*, Carbondale. Carbondale Hs. '07; Southern Illinois Normal S. '10.

Mays, Sadie E., *s*, Chicago. Bellefontaine, Ohio, Hs. '01; Wilberforce U. '03.

Means, La Verna, *w*, Bloomington. Illinois State Normal U. '16.

Meek, Georgia E., *s*, Seattle, Wash. Black River Falls, Wis., Hs. '93; Winona State Normal S. '15.

Meek, Mrs. Mary P., *s*, Springfield. Ripley Hs. '79; S.B. (Nashville C. for Young Ladies) '82.

Meier, Norman Charles, *a*, *w*, *sp*, Kansas City, Mo. Central Hs. '14.

Meldrum, Carolyn, *s*, Cedar Vale, Kan. Cedar Vale Hs. '11; Kansas State Agricultural C. 1912–13.

Melgard, Martha Alice, *s*, Rushford, Minn. Rushford Hs. '08; Winona Normal S. '11.

Melin, Lillian Mathilda, *s*, Kerkhoven, Minn. St. Cloud Normal S. '14.

Melins, Clare Emilie, *s*, *a*, *w*, Chicago. Oberlin C. 1914–15.

Mellinger, Bonnie, *s*, Deadwood, S.D. Deadwood Hs. '11; Spearfish Normal S. '13.

Melton, Charles E., *s*, English, Ind. English Hs. '09; Indiana State Normal S.

Mendenhall, Edgar Nelson, *s*, *a*, *w*, *sp*, Goshen, Ind. Franklin Hs. '90.

Mendenhall, Kathrina, *s*, *a*, *w*, *sp*, Danville. Vermilion A.; Illinois State Normal U. 1913–15; Teachers' C., Indianapolis, '09.

Merritt, Mary G., *w*, *sp*, Chicago. Chicago Normal S. 1903–4.

Merritt, Rebecca, *s*, Raleigh, N.C. Raleigh Hs. '09; St. Mary's S. '11.

Metz, Frieda Elizabeth, *s*, Burlington, Iowa. Burlington Hs. '00; Burlington Normal S. '02.

Meyer, Gertrude, *s*, Quincy. Quincy Hs. '08; Western Illinois Normal S. '13.

Meyer, Harriet R., *a*, *w*, *sp*, Chicago. University Hs. '14.

Meyer, Luella Viola, *sp*, Chicago. William McKinley Hs. '13.

Meyers, Alice Cora, *a*, *w*, *sp*, Florence Station. Northern Illinois State Normal S. '15.

Michaelis, Marjorie Bell, *a*, *w*, *sp*, Chicago. Englewood Hs. '15.

Michaelis, Ruth Harriet, *a*, *w*, *sp*, Chicago. Englewood Hs. '14.

Milam, Mrs. Maud B., *s*, Oklahoma City, Okla. Houston Normal S. '00.

Miles, Gertrude Elizabeth, *s*, Chicago. Hyde Park Hs. 1900–1901; Pittsburgh Kindergarten C. '05.

Miles, Mildred Irene, *a*, *w*, *sp*, Kansas City, Mo. Manual Training Hs. '16.

Miles, Stella Z., *s*, Bloomfield, Ind. Teachers' C., Indianapolis.

Millard, Jessica Jeannette, *sp*, Chicago. Morgan Park Hs. '15.

Miller, Abbie Mary, *a*, *w*, *sp*, Hopkins, Minn. Hopkins Hs. '15.

Miller, Clover Belle, *a*, *w*, *sp*, Brecksville, Ohio. Brecksville Hs. '16; U. of Wooster; U. of Oregon.

Miller, Cora B., *s*, Fort Dodge, Iowa. Beloit C.

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Miller, Frances, *s*, Horton, Kan. Horton Hs. '07; Kansas State Normal S. '12.
Miller, Harry Francis, *s*, New Carlisle, Ind. Rolling Prairie Hs. '07; S.B. (Valparaiso U.) '10; A.B. (*ibid.*) '14.
Miller, Helen Jane, *a*, *w*, Goshen, Ind. Goshen Hs. '14.
Miller, Jacksey, *s*, San Antonio, Tex. Rural Hs., Bandera, Tex., '01.
Miller, Kitty C., *s*, Indianola, Miss. West Point, Miss., Hs.; Normal Department of Industrial Inst. and C. '13.
Miller, Lillian Luella, *a*, *w*, *sp*, Leonard. Gilman, Ill., Hs. '08; Valparaiso U. '15.
Miller, Marion Graffam, *a*, *sp*, Chicago. Hyde Park Hs. '12.
Miller, Phoebe, *s*, *a*, *w*, *sp*, Kansas City, Mo. Westport Hs. '13.
Miller, Robena Estella, *s*, Hutchinson, Kan. Minneapolis Hs. '93; Kansas State Normal S. '12.
Miller, Ruby Faye, *s*, Decatur, Ind. Decatur Hs. '06; Indiana State Normal S. '07; Winona Normal S. 1909–13.
Miller, Ruth Bryant, *s*, Newark, Ohio. Newark City Hs. '10.
Millhollen, Irene, *s*, Yale, Okla. Odell, Neb., Hs. '96; Agricultural and Mechanical C., Oklahoma; Oregon State U., Summer '15.
Milligan, Alice Justine, *s*, Carbondale. Webster Groves, Mo., Hs. '96.
Milligan, Eurania Cynthia, *s*, Kansas City, Mo. State Normal S., Warrensburg, 1886–87; U. of Missouri '09.
Minabia, Clelvie Clyde, *s*, Ennis, Tex. Ennis Hs. '02; Baylor U., Summers 1913–15.
Minor, Ruby, *s*, Bowling Green, Ohio. Franklin C. '00; Indiana U.; Teachers' C., Indianapolis.
Mirrielees, Doris Irene, *s*, Chicago. Macon, Mo., Hs. '02; Chicago Teachers C. '07.
Missimer, Dale Johnson, *s*, Mobile, Ala. Kansas State Agricultural C. 1909–11.
Mitchell, Charlie Olga, *s*, Nashville, Tenn. Tuskegee Inst. '02; Atlanta U. '06.
Mitchell, Clara C., *s*, Dallas, Tex. Dallas Hs.; Prairie View State Normal S. '13.
Mitchell, Mrs. Minnie M., *s*, Fort Worth, Tex. Evansville Hs. '95.
Mitchell, Rena Sheeping, *s*, Hillsboro. Hillsboro Hs. '07.
Mitchell, Rose Elizabeth, *a*, *w*, *sp*, Logansport, Ind. Logansport Hs. '16.
Mizell, Willie Price, *s*, Waxahachie, Tex. Waxahachie Hs. '14; Trinity U. 1914–16.
Mizelle, Kate Aleatha, *s*, Jasper, Fla. Melrose, Fla., Hs.; Stetson U.
Moates, Marion Helen, *a*, *w*, *sp*, Chicago. Nicholas Senn Hs. '15; Northwestern U. 1915–16.
Mobberly, Virginia, *s*, Owensboro, Ky. Owensboro Hs. '04; Western Kentucky State Normal S.; Owensboro C. 1906–7.
Mohr, Nellie Katherine, *s*, *sp*, Racine, Wis. Milwaukee State Normal S.
Monahan, Mary Cecilia, *s*, South Sioux City, Neb. South Sioux City Hs. '11; Wayne State Normal S. '15.
Monroe, Helen Estill, *s*, Tipton, Mo. Sedalia, Mo., Hs. '05; State Normal S., Warrensburg.
Montgomery, Lydia Duncan, *s*, Sedalia, Mo. Columbia U.
Montgomery, Mattie M., *s*, Sedalia, Mo. State Normal S., Warrensburg, '03, '12.
Montgomery, Zolah, *s*, South Bend, Ind. Winona Normal S. '08.

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Moore, Anna Eliza, *s*, Neosho, Mo. Neosho Hs. '97; Ph.B. (Scarritt-Morrisville C.) '99.
Moore, Cecil Alexander, *s, a, w, sp*, Neosho, Mo. Ph.B. (Scarritt-Morrisville C.) '97.
Moore, Ethel, *s*, Bloomfield, Mo. Bloomfield Hs. '06; Cape Girardeau Normal S. '13.
Moore, Grace Emerson, *s*, Chicago.
Moore, Grace Truman, *s*, Norfield, Miss. Norfield Hs. '06.
Moore, Janie Cecile, *s*, Coldwater, Miss. Coldwater Hs. '03; A.B. (Mississippi Industrial Inst. and C.) '07.
Moore, Lillian Elizabeth, *s*, Oak Park. Northern Illinois State Normal S. '12.
Moore, Lucy, *s*, Paducah, Ky. Paducah Hs. '03.
Moore, Marguerite, *s*, Owensboro, Ky. Bradley Polytechnic Inst. '15.
Moore, Sarah Grace, *sp*, Monticello, Minn. Monticello Hs. '08.
Moore, Stella, *s*, Wabash, Ind. Wabash Hs. '87.
Moore, Thomas Sinclair, *s*, Joliet. Campbell C., Belfast, Ireland, '97.
Moore, Ula, *s*, Russellville, Ark. Russellville Hs. '08; A.B. (Henderson-Brown C.) '11.
Moore, Viola Ellison, *s*, San Antonio, Tex. Llano Hs. '11; U. of Texas.
Moorman, Clara Woods, *s*, Bowling Green, Ky. Western Kentucky State Normal S. '14.
Moorman, Nell, *s*, Glen Dean, Ky. Breckenridge, Ky., Hs. 1895–99; Logan C.; Butler C.
Morgan, Claire, *s*, Kansas City, Mo. Manual Training Hs. '07.
Morgan, Margaret Elizabeth, *s*, Kansas City, Mo. Manual Training Hs. '16.
Morgan, Mildred Valera, *a, w, sp*, Macomb. Western Illinois State Normal S. '15.
Morris, Edith, *s*, North Chicago. Ada, Ohio, Hs.; De Kalb State Normal S. '11.
Morris, Frances, *s*, Waynesville, Ohio. A.B. (Shauck's C. Preparatory) '08.
Morris, Hilda Bertha, *s*, Buffalo, N.Y. Michigan City, Ind., Hs. '06.
Morrow, Emma Love, *s*, Rochester, N.Y. Livingston Park Sm. '97; Boston S. of Cookery '02.
Moses, Mary Constance, *s*, Clinton, Iowa. U. of Iowa 1910–11.
Mullen, Mame Agnes, *s*, O'Neill, Neb. St. Mary's A. '09; Nebraska State Normal S. '14.
Munal, Ethel Conner, *s*, Metropolis. Westfield C.; Southern Illinois Normal S.
Murray, Lois Marie, *s*, Tulsa, Okla. Epworth U., Academic Department, '11; Central State Normal S. '13.
Murray, Stella Annie Z., *s*, Atlanta, Ga. Girls' Hs. '00; State Normal S.
Mutz, Mamie Russell, *s*, Peru, Neb. Nebraska State Normal S.
Myers, Edna Marie, *a, w, sp*, Chicago. Austin Hs. '16.
Myers, Helen Gertrude, *a, w, sp*, Chicago. Hyde Park Hs. '16.
Naef, Bessie, *s*, Whiting, Ind. Whiting Hs. '08.
Nash, Jean Alice, *a, w, sp*, Tipton, Ind. Tipton Hs. '16.
Nation, Ivy B., *s*, Fremont, Neb. Fremont Hs. '12; Fremont Normal S. '14.
Neely, Olive, *s*, Leslie, Ark. Louisiana State Normal S.
Neff, Edna M., *s*, Sterling. Mechanics' Inst. '05.
Nelson, Adelaide F., *s*, Corsicana, Tex. Fred Douglas Hs. '05; Fisk U. '08.

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Nelson, Alta, *sp*, Chicago. Fowler Hs. '10.
Netherton, Julia Bernice, *a*, Gilman City, Mo. Coffey Hs. '06; Kirksville State Normal S. '13.
Neville, Ruth Theresa, *a*, *w*, *sp*, Winnetka. Lewis Inst. '15.
Newbill, Annobel, *s*, Pulaski, Tenn. Peabody C. for Teachers '03; U. of Tennessee '13.
Newbold, Alice Elizabeth, *s*, *a*, *w*, *sp*, Louisville, Ky. Louisville Girls' Hs. '13.
Newby, Anna Roth, *s*, St. Louis, Mo. North Division Hs. '94.
Newitt, Mabel, *s*, Kansas City, Kan. Kansas City Hs. '07.
Newton, Bessie L., *s*, Leadville, Colo. Durango Hs. '05; Colorado State Teachers' C. '09, '15; Denver U.
Nichol, Winifred Shepherd, *s*, *a*, *w*, Chicago. Wellesley C.
Nichols, Thomas G., *s*, Fulton, Mo. Kirksville State Normal S. '14.
Nicholson, Louise Besse, *s*, Blue Island. Charleston Hs.
Nisbet, Frank Taylor, *s*, Florence, Ala. Mechanics' Inst.
Nixon, Anna-Belle, *s*, Cameron, Mo. Missouri Wesleyan C.
Nixon, Harry Louis, *s*, Dunkirk, Ind. A.B. (Muncie National Inst.) '15.
Nixon, Laura, *s*, Caney, Kan. Riley Hs. '05; S.B. (Kansas State Agricultural C.) '11.
Noble, Ella Frances, *s*, Chicago. Whitewater Normal S. '12.
Noble, Mrs. Nellie Lowe, *s*, Westerville, Ohio. Unclassified.
Noe, Zillah Elizabeth, *s*, Sioux City, Iowa. Evansville Hs. '03; Hartford S. of Pedagogy 1907–9.
North, Kate Stockton, *s*, Tulsa, Okla. Tulsa Hs. '09; S.B. (Oklahoma Agricultural and Mechanical C.) '12.
Oakes, Eva M., *s*, Oberlin, Ohio.
Oakley, Enola I., *s*, Seattle, Wash. Whitewater State Normal S. '99.
Oates, Alma, *s*, Little Rock, Ark. Little Rock Hs. '11; Michigan State Normal C.
Obreiter, Irene Elizabeth, *s*, Oklahoma City, Okla. Oklahoma State Normal S. '02.
O'Brien, Frances Joyce, *s*, Chicago. John Marshall Hs.; Chicago Normal C.
O'Connell, Agnes, *s*, Chicago. Lake Hs. '08; Chicago Normal C. '11.
O'Connell, Margaret Gertrude, *s*, Winamac, Ind. Winamac Hs. '96.
O'Connor, Margaret Mary, *s*, Xenia, Ohio. Ohio State Normal S. '14.
O'Connor, Mary A., *s*, Rockford. Rockford Hs. '08.
Oden, Ruby Ann, *s*, Tyler, Tex. Tyler Hs. '13; Southwest Texas State Normal S. '14.
O'Donnell, Mabel Catherine, *s*, Aurora.
O'Dowd, Isabelle, *s*, Monticello, Ind. Monticello Hs. '10; Valparaiso U. 1910–11.
Offenlock, Josephine, *s*, Chicago. Chicago Normal C.
Ogilvie, Annie Jane, *s*, Willow Springs, Mo. Brownsville Hs. '08.
Olive, Mrs. Grace Blayney, *s*, Wabash, Ind. Wabash Hs. '93; Teachers' C., Indianapolis, '10.
Oliver, Mary Stone, *s*, Jasper, Ala. Tallapoosa Hs. '11.
Olmstead, Hawley Brownell, *w*, *sp*, Taylor, Pa. Bloomsburg Normal S.; U. of Virginia.
Olsen, Anna Stoldt, *s*, *a*, *w*, *sp*, Marseilles. Marseilles Hs. '01; Illinois State Normal U. '13; Northwestern U. 1906–7.

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Olson, Lillian Evangeline, *s*, Dallas, Tex. Elbow Lake Hs. '09.
Olson, Naemi Elvira Louise, *a*, *w*, Marquette, Mich. Northern Michigan State Normal S. 1914–16.
O'Neill, Alice, *s*, Darlington, Pa. Indiana Normal S. of Pennsylvania '02.
O'Neill, Louise Marion, *s*, Lexington, Ky.
Orr, Agnes Longdeville, *s*, Madison, Ind. L.B. (Ouachita C.) '13.
Orr, Harry, *s*, *a*, *w*, *sp*, Allerton. Sidell Hs. '08; Illinois State Normal U.; U. of Illinois, Summer '13.
Orr, Mabel, *s*, *a*, *w*, *sp*, Sidell. Sidell Hs. '02; Charleston State Normal S. 1907–16.
Ostlund, Ruth Vivien, *s*, Chicago. Lake View Hs. '14.
O'Sullivan, Teresa, *s*, Chicago. St. Patrick's Hs. '08; Chicago Teachers C. 1909–11.
Otis, Florence Martha, *s*, New Orleans, La.
Ott, Hal Lee, *s*, Frederick, Md. Girls' Hs. '95.
Page, Mrs. Elsie May, *s*, Chicago. Lombard C. 1903–4; U. of Colorado.
Page, Emma B., *s*, St. Louis, Mo.
Palmer, Ruth Hedwig Elvira, *a*, Gothenburg, Sweden. Brooklyn Hs. '03; Michigan State Normal C. '07.
Park, Elsie, *s*, Butler, Mo. Missouri State Normal S. '13.
Park, Maxwell Gerald, *s*, Butler, Mo. U. of Wisconsin '15.
Parker, Delia Morton, *s*, Spencer, W.Va. Huntington Hs. '04.
Parker, Ethel Lee, *s*, *a*, Shoals, Ind. Indiana State Normal S. '13; U. of Wisconsin.
Parry, Josephine, *s*, Idaho Falls, Idaho. Shoshone Hs. '05; Idaho State Normal S. '08.
Parsons, Cardine Demarious, *a*, *w*, Chicago. Keokuk Hs. '08; Kearney, Neb., State Normal S. '16.
Patrick, Ruth Ballantyne, *s*, Oak Park. Oak Park and River Forest Township Hs. '07; Lewis Inst. '09.
Patterson, Elizabeth Eleanor, *a*, *w*, *sp*, Chicago. Hyde Park Hs. '15.
Patterson, Noble Wayne, *s*, Wellington, Kan. Sumner Hs. '13.
Patton, Lewis Douglas, *s*, Tyler, Tex. A.B. (Texas C.) '13.
Paulson, Harvey Lincoln, *s*, Morrison. West Des Moines Hs. '13; Valparaiso U.
Paxton, Annie Aldridge, *s*, Greenville, Miss. A.B. (Cleveland Female C.) '03.
Payne, Arthur Frank, *s*, Peoria. Bradley Polytechnic Inst. '11.
Payne, Edith Baldwin, *s*, Wichita, Kan. Wichita Hs. '08; S.B. (Kansas State Agricultural C.) '12.
Payne, Elizabeth Esther, *s*, Western Springs. Lyons Township Hs.
Payne, Martha Carey, *s*, Fayette, Mo. Fayette Hs. '13; Howard Payne C. '15.
Pearson, Eleanor Lucile, *s*, Natchitoches, La. Model Hs. '06; Louisiana State Normal S. '10.
Pease, Hannah Etta, *s*, Chicago. Simmons C. 1914–15.
Peck, Luther Hoyt, *s*, Chicago. Whitewater State Normal S. '86; U. of Wisconsin.
Peck, Mary E., *s*, Fincastle, Va. Virginia State Normal S. '03.
Pedersen, Catherine, *s*, Whiting, Ind. Whiting Hs. '11; Michigan State Normal C.

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Peer, J. Marshall, *a, w, sp*, McLeansboro. Southern Illinois State Normal S.
Peet, Harriet Emma, *s*, Salem, Mass. Cook County Normal S.
Peet, Martha Gertrude, *s*, Salem, Mass. Hyde Park Hs.
Pehrsson, Emma, *s*, West Fort Dodge, Iowa. Fort Dodge Hs. '95.
Peirce, Margaret Cameron, *s*, Pontiac, Mich. Valparaiso U.
Peltier, Ada V., *s*, Muskegon, Mich. Muskegon Hs. '98; Muskegon City Normal Training S. '00.
Pentland, Frances Helen, *a, w, sp*, Chicago. Canton Hs. '14.
Pepe, Charles G., *s*, Grabill, Ind. Muncie Normal S. '14; Tri-State C. '15.
Peppard, Mrs. Lillian Loser, *s*, East Lansing, Mich. Indiana State Normal S.
Perkins, Catherine E., *s*, Newton, Kan. Newton Hs. '92; Kansas State Normal S. 1896–1900.
Perrin, Flora Emma, *sp*, La Harpe. La Harpe Hs. '89.
Perry, Roscoe Judd, *s*, Joliet. Marion Normal S. '07.
Peters, Clara M., *s*, Garden City, Kan. Washington A.; S.B. (Kansas State Agricultural C.) '11.
Peters, Evelyn Erma, *a*, Chicago.
Peters, Laura Elizabeth, *s*, Salt Lake City, Utah. S.B. (Utah Agricultural C.) '14.
Peters, Marie Alice, *s*, Evansville, Ind. Muncie Hs. '15.
Peterson, Beatrice I., *s*, Cedar Rapids, Iowa. Cedar Rapids Hs. '13; Coe C. 1914–15.
Peterson, Grace Helen, *a, w, sp*, Michigan City, Ind. Isaac Elston Hs. '15.
Peterson, Litella Goldie, *s*, Stratford, Iowa. Stratford Hs. '14; Des Moines C. '16.
Peterson, Lula A., *a*, Whistler, Ala. Barton A. '98.
Pethybridge, Juanita Pauline, *w, sp*, Livingston, Mont. Park County Hs. '16.
Pfennig, Hazel Tesh, *s*, Terre Haute, Ind. Indiana State Normal S. '08.
Phelan, Grace May, *s*, Rochester, N.Y. Rochester Normal Training S. '08.
Phillips, Amy Elizabeth, *s*, Forest, Ohio. Forest Hs. '08; Ohio Northern U. '10; Wooster U. '12; U. of Tennessee '13.
Phillips, Daisy K., *s*, Kaufman, Tex. Kaufman Hs. '04.
Phillips, Ellen Cornell, *s, a, sp*, Chicago. Frances Shimer S. 1914–15.
Pickell, Ruth B., *s*, Chicago. Chicago Art Inst. '16.
Pierce, Marguerite, *s*, Joliet. Joliet Township Hs. '08.
Pierik, Johnette Jessie, *s*, Springfield. A.B. (Wellesley C.) '15.
Pike, Effie Melvina, *s*, Twin Falls, Idaho. Illinois State Normal U. '97.
Pinckney, Pauline Ann, *s*, Austin, Tex. U. of Texas 1907–9, 1913–15.
Pittman, William I., *s*, Birmingham, Ala. S.E. (Alabama Agricultural S.) 06; S.B. (Alabama Polytechnic Inst.) '09.
Pitts, Lena Anne, *s*, St. James, Mo. Training S., State Normal S., Warrensburg; State Normal S., Warrensburg, '03.
Plante, Maude Alma, *a, w*, Chicago. Englewood Hs. '16.
Pollard, John Garvey, *s*, Charleston.
Pope, Anna Maude, *s*, Pontotoc, Miss. Chickasaw Female C. 1892–96.
Pope, Julia, *s*, Pulaski, Tenn. Pulaski Hs. '99; Birmingham Sm. '00.
Porter, Alta Margaret, *s*, Bay City, Mich. Northern Normal and Industrial Inst.
Porter, Jean Williamson, *s*, Oak Hill, W.Va. Oak Hill Hs. '13.

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Porter, Vivian Gonzales, *s*, Chicago. Omaha Hs. 1908–9; Fisk U. '11.
Potter, Eva May, *s*, Lansing, Mich. Duluth Normal S. '13.
Poulson, Martin Wilford, *s*, Provo, Utah. Brigham Young U. Hs. '10; A.B. (Brigham Young U.) '14.
Powell, Bess Lee, *s*, Fulton, Mo. State Normal S., Warrensburg, '15.
Powell, Mary Esther, *s*, Portland, Ore. Portland Hs. '06.
Powers, Elmer Walter, *s*, Fairbury. Illinois State Normal U.; U. of Illinois.
Powers, Gertrude May, *s*, *a*, *w*, *sp*, Chicago. Parker Hs. '15.
Powers, Pearl, *s*, Warrensburg, Mo. State Normal S., Warrensburg, 1904–8.
Pratt, Marjorie, *a*, *w*, *sp*, Kearney, Neb. Kearney Hs. '13; Kearney State Normal S. '15.
Pratt, Ruth Elizabeth, *a*, Kearney, Neb. Kearney State Normal S.
Presnell, Edith Pearl, *s*, Vincennes, Ind. Vincennes Hs. '02; Indiana State Normal S. 1905–12.
Preusner, Sara V., *s*, Defiance, Ohio. Defiance C. '09.
Price, Sara Pearl, *w*, *sp*, Waterman. Hinckley Hs. '14.
Proiou, Aryero, *s*, Greece. High School, Greece, '12; Simmons C. 1915–16.
Purdum, Elmarie, *s*, Macomb. Western Illinois State Normal A. '12; Western Illinois State Normal S. '14.
Purdy, Edith, *a*, Souris, N.D. Freemont C. 1915–16.
Putnam, Edna Virginia, *s*, *a*, *w*, Whiting, Ind. Valparaiso U. 1907–12; Kansas State Agricultural C. 1912–13.
Putzke, Louise Wilhelmina, *w*, *sp*. Dayton, Iowa. Iowa State Normal S.
Pyle, John Freeman, *s*, Hazleton, Ind.
Quigley, Georgia, *s*, Des Moines, Iowa. McGregor Hs. '95; Iowa State Teachers' C. 1899–1900.
Quigley, Therese Margarete, *a*, *w*, *sp*, Manhattan. St. Angeles A. '13.
Rabe, Emalyn, *s*, Alta Vista, Iowa. Fayette A. '12; Upper Iowa U. 1912–16.
Rada, Rudolph Charles, *s*, Chicago. Armour Inst. 1911–12, 1913–14.
Rait, Euphemia Grace, *s*, Cedar Falls, Iowa. Iowa State Teachers' C. 1911–13.
Ramsey, Stella, *s*, Auxvasse, Mo. Shelbina Hs. '98; S.B. (St. Charles C.) '00; Cape Girardeau State Normal S. '13.
Randall, Mrs. Leah Carson, *s*, Wakefield, Kan. Clay County Hs. '13.
Randolph, Louise Dean, *s*, Macomb. Macomb Hs. '08; Western Illinois State Normal S. '10.
Rather, Mary Fletcher, *s*, Murfreesboro, Tenn.
Rattiff, Florence, *s*, Richmond, Ind.
Rauen, Dorothy, *a*, *w*, Chicago. Hyde Park Hs. '16.
Rawls, Mrs. Kate C., *s*, Atlanta, Ga. Girls' Hs. '90; Vanderbilt U.
Ray, Edith Maude, *s*, Woden, Iowa. Forest City Hs. '10.
Raybun, Frances Viola, *s*, Pittsburgh, Pa. Pittsburgh Hs.; Margaret Morrison Carnegie S. '13.
Raymond, Ruth, *s*, Buffalo, N.Y. La Fayette Hs. '04; S.B. (Simmons C.) '09.
Rayner, Katie, *s*, Durant, Miss. Western Kentucky State Normal S. '04.
Rayner, Nina R., *s*, Durant, Miss. Lexington Hs. '10; L.B. (Whitworth C.) '13.
Reed, Artur Guy, *s*, Unionville, Mo. Unionville Hs.; Kirksville State Normal S. '14; U. of Missouri 1915–16.

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Reeve, Jessie Mabel, *s*, Washington, Ind. Indiana State Normal S. '09.
Reeves, Willie Robeson, *s*, Atlanta, Ga. Johnson City Hs. '94; Martha Washington C. 1895–96; Martin C. 1897–98.
Reid, Helen McLeod, *s*, La Crosse, Wis. La Crosse Hs. '12; La Crosse State Normal S. 1912–13; Stout Inst. 1913–14.
Reid, William, *a*, Philadelphia, Pa.
Reimann, Marie C. S., *s*, Chicago.
Reiterman, Ethel, *s*, Chicago. Northern Illinois State Normal S.; Chicago Art Inst.
Remer, Laura Lucile, *a*, *w*, *sp*, Urbana, Iowa. Urbana Hs. '07; Iowa State Teachers' C. '11.
Remington, Edna, *s*, Oklahoma City, Okla.
Renny, Matilda, *s*, Toledo, Ohio.
Revercomb, Otha Francis, *s*, Hunnewell, Mo. Hunnewell Hs; Kirksville State Normal S.
Rex, Dorothy Alice, *a*, *w*, *sp*, Chicago. Grand Forks Hs. '16.
Reynolds, Certie, *a*, *w*, *sp*, McMinnville, Tenn. Durant State Normal S. 1909–11.
Reynolds, M. Carrie, *s*, Defiance, Ohio. Wauseon State Normal S.
Reynolds, Mary Ellen, *s*, *w*, Chicago. Chicago Normal C.
Rice, Alma Georgiana, *a*, *w*, *sp*, Arendtsville, Pa. Millersville, Pa., State Normal S. '01, '09.
Rice, Lucille, *s*, El Paso, Tex. Central Hs., Minneapolis, '10; Cleveland Kindergarten Training S. '13.
Rice, Martha, *s*, Bentonville, Ark. Bentonville Hs. '11; Russellville Agricultural C. '16.
Rice, Stanley Frost, *s*, *a*, *w*, *sp*, Chicago. Englewood Hs. '11.
Rich, Maude, *s*, Anna. Southern Illinois State Normal S. '13.
Richards, Carl, *s*, Clinton. Petersburg Hs. '06; Illinois State Normal U. '13.
Richards, Lileth M., *s*, Anderson, Ind. Anderson Hs. '13; Indiana State Normal S. 1915.
Richards, Willamina A., *s*, Gardnerville, Nev. Onawa Hs. '06; A.B. (U. of Nebraska) '11.
Richardson, Mary Moore, *s*, Waurika, Okla.
Richardson, Mrs. Pauline Mayes, *s*, Hamlin, Tex.
Richie, Helen Elizabeth, *a*, *w*, *sp*, Little Falls, Minn. Little Falls Hs. '14; Carleton C. 1914–16.
Riddel, Maye Belle, *s*, Aspermont, Tex. L.B. (Kidd-Key C.) '10.
Rielag, Corinne Clare, *s*, Indianapolis, Ind. Vincennes Hs. '08; Indiana State Normal S. '13.
Riesenecker, Lora Lydia, *a*, Chicago. San Antonio Hs. '07; Southwest Texas State Normal S. '13.
Rimes, Ethel Grace, *s*, St. Joseph, Mich. St. Joseph Hs. '09; Michigan State Normal S. '11; Oberlin C.
Rimington, Anne Critchell, *w*, *sp*, Chicago. Girls' Preparatory S. 1911–14; Evanston Township Hs. '16.
Rinehart, Beulah, *s*, Kendallville, Ind. Indiana State Normal S. 1904–6, 1908–9.
Rinehart, Helen Hall, *s*, Marietta, Ohio. Marietta Hs. '79.

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Ritter, Henry Alexander, *s*, Dayton, Ohio. Berea College A. '13.
Ritzma, Peter Benjamin, *s*, Chicago. Joliet Hs. '09.
Roach, Ethel Anne, *s*, *a*, *w*, *sp*, Butte, Mont. U. of Montana 1914–15.
Roberson, Lelah Mable, *s*, Webb City, Mo. Webb City Hs. '08.
Roberts, Lydia Jane, *s*, *w*, Martin, Mich. Central State Normal S., Mount Pleasant, Mich., '99; Berkely U., Summer '13.
Roberts, Ruth, *s*, Franklin, Ohio. Middletown, Ohio, Hs. '12.
Robertson, Carrie Bell, *a*, *w*, *sp*, Brownstown, Ind. Brownstown Hs. '01; Teachers' C., Indianapolis, 1915–16.
Robertson, Elizabeth Jane, *a*, *w*, Chicago. Great Falls, Mont., Hs. '14.
Robertson, Lawrence Arnold, *s*, Berlin Heights, Ohio. Berlin Heights Hs. '14.
Robinson, Isabel, *s*, Council Bluffs, Iowa. Council Bluffs Hs. '01; Kindergarten Training S. '03; Columbia U.
Robinson, Margaret J., *s*, Springfield, Ohio. Springfield Hs. '94; Wilberforce U. '00.
Robinson, Marguerite Ada, *s*, San Antonio, Tex. San Antonio Hs. '08.
Robinson, Thomas Walter, *s*, Ada, Okla. Stone County A. 1902–3; East Central State Normal S., Ada, Okla., '14.
Robinson, Viola J., *s*, Kansas City, Mo. Kansas U. 1909–10; Wilberforce U. 1910–11.
Robinson, Wilma J., *s*, Kansas City, Mo. Missouri State Normal S. '95; A.M. (Howard Payne C.) '92.
Rockwell, Lucy, *a*, *w*, *sp*, Chicago. Wendell Phillips Hs. '14; Lewis Inst. '16.
Rodgers, Rosetta Banks, *s*, Charleroi, Pa. Washington Sm.
Roesch, Gertrude Marie, *s*, South Bend, Ind. South Bend Hs. '13; Indiana State Normal S. 1913–14.
Rogers, Laura Pynk, *s*, *a*, *w*, *sp*, Beaumont, Tex. Beaumont Hs.; Sam Houston Normal S.
Rollins, Jessie Pearl, *a*, Superior, Wis. Superior Normal S. '06.
Root, Maud Mary, *s*, Chicago.
Roselius, Carrie Leah, *a*, *w*, *sp*, West Alexandria, Ohio. West Alexandria Hs. '01.
Rosenquist, Lucy Lynch, *s*, Schuyler, Neb. Barron, Wis., Hs. '02; S.B. (Fremont Normal C.) '12.
Ross, Mrs. Irene Coleman, *s*, Pine Bluff, Ark. Branch Normal S. '95.
Ross, Mrs. Katherine Ellis, *s*, *a*, *w*, *sp*, Calumet, Mich. Michigan Northern State Normal S. '15.
Roth, Alice M., *s*, Fowler, Ind. Fowler Hs. '07; Danville Normal S. '07; St. Mary's, Notre Dame, 1908–12; Purdue U.
Rothschild, Edith, *a*, Chicago. McKinley Hs. '14.
Rotramel, Nell, *s*, Frankfort. Marion, Ill., Hs. '06; Southern Illinois State Normal S. '08; Illinois State Normal U. '11.
Rowell, Alberta, *s*, Louisville, Ky. Girls' Hs. '91; Louisville Normal S. '92.
Rowles, Francise Sanders, *s*, Wichita, Kan. Wichita Hs. '13; Kansas State Normal S. 1914–15; Kansas State U. 1913–14.
Rubinstein, Simcha, *a*, *w*, *sp*, Chicago. Real S., Russia; Lehrer Seminar '12.
Rucker, Mary Adelle, *a*, *w*, *sp*, Amistad, N.M. Amistad Hs.; Kansas State Manual Training S. '13.
Ruebsam, Edith, *s*, Davenport, Iowa. St. Katherine Episcopal S. 1902–7; Davenport Training S. 1909–10; Columbia U. 1912–14.

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Rumph, Hattie C., *s*, Camden, Ark. Camden Hs. '00; Arkansas State Normal S., Summers '01, '02, '03, '04.

Rundquest, Blanche L. F., *s*, Moline. Moline Hs. '06; Chicago Free Kindergarten Association '09; Iowa State Teachers' C. '12.

Runyon, Leta, *a*, *w*, *sp*, Des Moines, Iowa. North Des Moines Hs. '13.

Rush, Dimple, *s*, Marlin, Tex. Marlin Hs. 1910–14.

Russell, Anita, *s*, Kansas City, Kan. Kansas City Hs. '11; Kansas State Agricultural C. 1913–14.

Rusterholz, John H., *s*, *a*, *w*, *sp*, Erie, Pa. Grove City C; Pennsylvania State C.

Rutherford, Mrs. Amanda B., *s*, Dallas, Tex. Unclassified.

Ryan, Catharine, *s*, Fort Dodge, Iowa. Highland Park C. 1901–2.

Ryan, Mary Ellis, *sp*, Chicago.

Ryan, Nell, *s*, Medaryville, Ind. Tri-State C., '11; Teachers' C., Indianapolis, 1913–14.

Ryder, Julia, *sp*, Fond du Lac, Wis. Preparatory Normal S., Oshkosh, '89; State Normal S., Oshkosh, '10; Columbia U. 1915–16.

St. Clair, Robert, *s*, St. Louis, Mo. Washington U.

Salter, Renette Pearl, *s*, *a*, Chicago. Englewood Hs.

Sammons, Susie, *s*, Sabetha, Kan. Sabetha Hs. '05.

Sanders, Beulah Benton, *s*, Wichita, Kan. Wichita Hs. '11; Fairmount C.

Sanderson, Mrs. Cecelia Blanford, *s*, Chicago. Irregular work.

Sanderson, Jessie, *s*, Kansas City, Mo. L.B. (La Grange C.) '82.

Santiago, Luis, *a*, *w*, *sp*, Chicago. Philippine Normal S. '16; Provincial Hs., Philippine Islands.

Sass, Maud, *s*, Kansas City, Mo. Central Hs., Kansas City, '98.

Saunders, Eilien Morey, *s*, Belton, Tex. Belton Hs. '01; S.B. (Baylor U.) '03.

Savage, Linnie D., *s*, Des Moines, Iowa.

Schaub, Marguerite Elizabeth, *s*, Whiting, Ind. Whiting Hs. '14.

Schenck, Kate, *s*, San Antonio, Tex.

Schiesser, Kathryn, *s*, Monroe, Wis. Monroe Hs. '97; U. of Wisconsin, Summer '15.

Schinzel, Henrietta, *s*, Burlington, Iowa. Burlington Hs. '04; Burlington City Normal S. '06.

Schmidt, Lillie M., *s*, Louisville, Ky. Louisville Hs. '91; Louisville Normal S. '92.

Schrecongost, Marion Violet, *s*, Dubois, Pa. Dubois Hs. '10; Thiel C. 1910–14.

Schroeder, Elizabeth Anna, *a*, *w*, *sp*, San Antonio, Tex. San Antonio Hs. '04.

Schuler, Hollis W., *s*, Anderson, Ind. Manual Training Hs. '13.

Schultze, Rebecca Johannah, *a*, *w*, *sp*, Fort Dodge, Iowa. Fort Dodge Hs. '16.

Schwartz, Alma Margreta, *s*, Hazleton, Pa. Hazleton Hs. '11; Wellesley C. 1912–13.

Schwartz, Genevieve, *s*, Milwaukee, Wis. Northern State Normal S. '11.

Schwartz, Nicholas Edwin, *s*, Baudette, Minn. Winona, Minn., State Normal S. '06.

Schwass, Frederick Louis, *s*, Forest Park. Concordia Teachers' C. '15.

Schweickhard, Philip Ashworth, *s*, *sp*, Mankato, Minn. State Normal S., Mankato, '11; U. of Minnesota 1913–14.

Scott, Alice Elizabeth, *s*, Chicago. Chicago Normal C. '07.

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Scott, Cecelia, *s*, Houston, Tex.
Scott, Sabra A., *s*, Marietta, Ohio.
Searles, Bertha Airs, *s*, Saginaw, Mich. Saginaw East Side Hs. 1902–6; Saginaw East Side Normal S. 1907–8.
See, Oscar Franklin, *s*, Blue Ash, Ohio. Pleasant Ridge Hs. '10; A.B. (U. of Cincinnati) '14.
Seeley, Helen Edna, *s*, Normal. Illinois State Normal U. '04.
Seeley, Mary E., *s*, Muskegon, Mich.
Self, Valeria, *s*, Silver Lake, Ind. Silver Lake Hs. '00; Valparaiso U. '04; Marian '06.
Senesac, Blanche Hope, *s*, St. Anne. St. Anne Hs. '09; Oberlin C. 1910–11; Illinois State Normal U. '12.
Sethness, Elva, *sp*, Chicago. Lake View Hs. '13; Maryland C. 1913–15; Chicago Normal S. 1915–16.
Shafer, Benjamin F., *s*, Valparaiso, Ind. A.B. (Valparaiso U.) '14.
Shaffer, Susie Blair, *s*, Hammond, Ind. Monon, Ind., Hs. '97; White County Normal S. 1897–1900.
Shallenberger, Gladys Beatrice, *a*, Chicago. Ohio State U. 1913–15.
Shallenberger, Larsh B., *s*, Lincoln, Neb. Nebraska State Normal S. '97.
Shank, Allen L., *s*, *a*, *w*, *sp*, Gravity, Iowa. Gravity Hs. 1904–6; Simpson C. A. 1906–7; Iowa State Teachers' C., Summers '08, '10, '11; Pittsburgh Manual Training S. '12.
Shaver, Dorothy Y., *w*, Texarkana, Ark. U. of Arkansas 1910–12.
Shaw, Zoe Clara, *s*, Kalamazoo, Mich. Kalamazoo Hs. '91; Teachers C., Columbia U., '10.
Sheffield, Frances Laws, *s*, Mobile, Ala. Mobile Hs. '99.
Shelby, Helen Autrice, *s*, Woodlawn, Tenn. Industrial and Training S. '10; U. of Tennessee 1911–13
Sheldon, Eliza Boone, *s*, Madison, Ind. Hanover C. '08.
Shelp, Margaret Isabelle, *s*, Rhinelander, Wis. Oshkosh State Normal S. '11; U. of Wisconsin, Summer '11.
Shepard, Alice, *s*, Birmingham, Ala. Alabama State Normal S. '98.
Shepard, Edith Ethel, *s*, Spokane, Wash. Burr Oak, Mich., Hs. '95; Michigan State Normal C. '01; U. of Michigan.
Shepard, Irene, *s*, Indianapolis, Ind. Vincennes Hs. '05; Teachers' C., Indianapolis, '08; Indiana U. 1910–11.
Sheppeard, James Henry, *s*, Winnsboro, Tex. Campbell Hs.; U. of Texas 1901–2; A.B. (Christian U.) '06.
Sherwood, Golda Faye, *s*, Malta. De Kalb Hs. '04; De Kalb State Normal S. '06.
Shields, Margaret, *s*, Chicago. Marlette, Mich., Hs. '97; Michigan State Normal C. '14.
Shipp, John H., *s*, *w*, Patoka, Ind. Indiana State Normal S. '12.
Shlensky, Mabal Alice, *a*, *w*, *sp*, Joliet. Joliet Township Hs. '15.
Shotwell, Francesca Cowie, *w*, *sp*, Chicago. Monroe, La., Hs. '16.
Shotwell, Martha Smith, *s*, Richmond, Mo. Richmond Hs. '12; Hardin C., Mexico, Mo.; A.A. (Missouri U.) '14.
Shull, Harry, *s*, Joliet. Indiana U.; Valparaiso U.; Indiana U.
Shutt, Louise Tibbets, *s*, St. Louis, Mo. Principia S., St. Louis, '10.

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Siefkin, Ruth Marie, *a, w, sp*, Newton, Kan. Newton Hs. '14; Kansas State Agricultural C. 1914–15.
Simison, Natalie, *s*, Mobile, Ala. Public S., Kansas City, Mo.
Simms, Alice V., *s*, St. Louis, Mo. U. of California; U. of Wisconsin.
Simms, Mary Georgia, *s*, Warrensburg, Mo. State Normal S., Warrensburg.
Simpson, Edith, *s*, Lima, Ohio. Lima Hs. '06; Lima Training S. '07.
Simpson, Elsie Naomi, *s*, Chicago. Chicago Normal C. '12.
Simpson, Kate Bird, *s*, Waterville, Ohio. Centerburg Hs. 1884–85; Ohio Northern U., Summers '88, '97.
Simpson, Margaret McN., *sp*, Chicago.
Simpson, Mary B., *s*, Nowata, Okla. Nowata Hs. '11; Central State Normal S. 1914–15.
Simpson, Virginia Marmaduke, *s*, Kansas City, Mo. Westport Hs., Kansas City, '10.
Sims, Mary J., *s*, Prairie View, Tex. State Normal S., Prairie View.
Sinex, Mrs. Mattie Stone, *s*, Dallas, Tex.
Skinner, Frances, *s*, Paris, Tex. Paris Hs. '04; Southwest Texas State Normal S. '14.
Slater, Berdella May, *s*, Riverside, Cal. Waukegan Hs. '05; Northern Illinois State Normal S. '07.
Slater, Margaret Catherine, *s*, Alice, Colo. West Denver Hs. '06; Colorado State Teachers' C. 1908–9.
Sloan, Carrie Elnora, *s*, Sioux City, Iowa. Sioux City Hs. 1896–97; Morningside C.
Smart, Charles Harrison, *s*, St. Cloud, Minn. St. Cloud Public Schools '13; Bradley Polytechnic Inst. 1914–15.
Smith, Alice Belle, *s*, San Antonio, Tex.
Smith, Alta Lucile, *s, a, w, sp*, Frankfort, Ind. Rockford C. 1906–7; Indiana U. '09.
Smith, Anastasia Davison, *s*, Louisville, Ky. Louisville Girls' Hs. '02; Louisville Normal S. '04.
Smith, Mrs. Annette Minrow, *a, w, sp*, Chicago. Winona, Minn., Hs. '97; Winona Normal S. '99; U. of California 1914–16.
Smith, Arthur Frederick, *s*, Ford City, Mo. Missouri Wesleyan A. '11; A.B. (Missouri Wesleyan C.) '14.
Smith, Eloise Withers, *s*, Mobile, Ala. Barters A. '03; Virginia State Normal S. '10.
Smith, Eula, *s*, Coldwater, Miss. Independence Public S. '02; S.B. (Woman's C.) '04.
Smith, Hartwell Conway, *s*, Greer, S.C. A.B. (Furman U.) '13.
Smith, Helen M., *s*, Wichita, Kan.
Smith, Jeannette, *s*, Toledo, Ohio. Findlay Hs. '06; Law Kindergarten Training S. '11.
Smith, Jeannette, *s*, Springfield. Teachers' Training S. 1914–15.
Smith, Jessie, *s*, Coldwater, Miss. Independence Public S. '00; S.B. (Woman's C.) '04.
Smith, Lula E., *s*, Eldorado Springs, Mo. Eldorado Springs Hs. '08; Missouri Normal S. '12; Missouri U., Summers '14, '15.

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Smith, Margaret E., *s*, Edmonton, Alta., Canada. Picton Hs., Nova Scotia, '05; Truro Normal S. '07; Mount Allison Ladies' C. 1908–12.

Smith, Margaret Rudy, *s*, Henderson, Ky. Home S. for Girls '98; Lewis Inst. 1913–15.

Smith, Marie Elizabeth, *a*, *w*, *sp*, Frankfort, Ind. Butler C. 1910–11.

Smith, Olive Belle, *s*, Waco, Tex. Farmers' Improvement C. '12.

Smith, Ona Blake, *s*, *a*, *w*, *sp*, Chicago. Englewood Hs. '15.

Smith, Rozella M., *s*, Red Oak, Iowa. Red Oak Hs. '06; Iowa State Teachers' C., Summer '09.

Smith, Ruth Estelle, *w*, Merrimac, Wis. Baraboo, Wis., Hs. '14.

Smith, Ruth Wellington, *a*, *w*, *sp*, Chicago. Muskogee Hs. '14.

Smith, Stephen E., *a*, *w*, *sp*, Urich, Mo. State Normal S., Warrensburg, '14.

Smith, Verne Juanita, *s*, Jacksonville. Jacksonville Hs. '10.

Smithson, Mable, *a*, *w*, *sp*, Litchfield. Gerard, Ill., Hs. '98; Central Illinois State Normal S. '16; Lewis Inst.

Snapp, Kenneth McKenzie, *s*, Mendota. Caledonia Hs. '02; New York State Normal S. '05; A.B. (Winona C.).

Snedicor, Mrs. Margaret Avery, *a*, Chicago. Armour Inst. of Technology; Cornell C.

Snowdon, Meta Eckmeier, *s*, *a*, *w*, *sp*, Chicago. Wendell Phillips Hs. '12.

Snyder, Mrs. Bertha, *s*, Akron, Ohio. Bowling Green, Ohio, Hs. '00.

Somers, Ethel Mae, *a*, *w*, *sp*, Chicago. Englewood Hs. '15.

Soper, Wayne Wellington, *s*, Broken Bow, Neb. Broken Bow Hs. '10; A.B. (York C.).

Spăch, Marian Towne, *a*, *w*, *sp*, Chicago. University Hs. '13.

Sparks, Emma E., *s*, *a*, Rosemond. Illinois State Normal U. '13.

Spaulding, Mina, *s*, Belt, Mont. Perry, Mich., Hs. '01; Central State Normal S., Mount Pleasant, Mich., '10.

Spawr, Minnie L., *s*, Chicago. Illinois State Normal U.

Speed, Pearl Burnetta, *s*, Louisville, Ky. Louisville Girls' Hs. '11; Louisville Normal S. '13.

Spellessy, Grace Evelyn, *s*, San Antonio, Tex. Ursuline A. '10; San Antonio Kindergarten Training S. '15.

Spellessy, Lillian Gertrude, *s*, San Antonio, Tex. Ursuline A. '09; Ursuline Kindergarten Training S. '15.

Spellman, Regina, *s*, Kansas City, Mo. Manual Training Hs. '15; Kansas State Agricultural C. 1912–13.

Spencer, Bessie, *s*, Louisville, Ky. Central Colored Hs. '11; Louisville Colored Normal S. '13.

Spencer, Jessica, *s*, Carlisle, Ky. Carlisle Hs. '14; Hamilton Junior C. '16.

Sperry, Keith, *s*, Louisville, Ky. Campbell-Hagerman C. '06.

Sphar, Sarah Belle, *s*, Roscoe, Pa. Pennsylvania State Normal S. '94.

Spoor, Carrie Emily, *s*, Des Moines, Iowa. Drake U. 1894–95.

Stallings, Charlotte, *s*, Ogden, Utah. Weber A., Ogden, '09; U. of Utah 1909–10; U. of California, Summer '15.

Stanforth, Mrs. Pearl Pollock, *s*, New Cumberland, W.Va. S.B. (Lebanon U.) '11.

Stanley, Florence M., *s*, Eldora, Iowa. Eldora Hs. '03; Art Inst. '09.

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Stanley, Florence Mabel, *s*, Aurora. Northwestern C.; Northern Illinois State Normal S. '13.
Stanley, Mary Elisabeth, *s*, Spokane, Wash.
Stanton, Alma Marshall, *s*, Cincinnati, Ohio. Hampton Inst. '12.
Starin, Frances Alison, *s*, *a*, *w*, Chicago. Oswego, N.Y., Hs.
Stark, Bessie, *s*, Clinton, Ind. Clinton Hs. '02; Indiana State Normal S. '13.
Stearns, Ethel E., *s*, Cleveland, Ohio. St. Mary's Hs. '02.
Stearns, Marion Elisabeth, *w*, *sp*, Chicago. Chicago Normal C. '16.
Steele, James Carlisle, *s*, Weatherford, Okla. Epworth A. '10; A.B. (Oklahoma Methodist U.).
Steele, Jessie B., *s*, Sedalia, Mo. Sedalia Hs.
Steinberg, Julia Teresa, *s*, Louisville, Ky. Louisville Hs. '93; Louisville Normal S. '95; Columbia U.
Steiner, John Godfrey, *a*, *w*, *sp*, Portland, Ore. Oregon Agricultural C. 1913–15.
Stephen, Jessie M., *s*, Delaware, Ohio. Delaware Hs. '02; Ohio Wesleyan U. 1908–10.
Sterne, Walter Clayton, *s*, Ishpeming, Mich. Ishpeming Hs. '09; Michigan Agricultural C. '09, '11, '12, '13.
Stevens, Fannie Lucile, *s*, Macomb. Colchester '07; Western Illinois Normal S. '11.
Stevens, Lucie, *s*, Montour, Iowa. Montour Hs. '95.
Stewart, Carrie Belle, *s*, Greensburg, Ind. Indiana State Normal S. 1901–4.
Stewart, Gertrude Mary Deane, *s*, Charlottesville, Va. Howard U. Teachers' C. '07.
Stewart, Margaret Amelia, *s*, *sp*, Camrose, Alta., Canada. St. John Hs. '91; New Brunswick Normal S. '92; Nova Scotia Kindergarten Department '97; Macdonald C., Quebec, '10.
Stewart, Martha L., *s*, *a*, Independence, Mo.
Stiles, Lola Belle, *s*, Cleburne, Tex. Cleburne Hs. 1902–6; North Texas State Normal S. '09.
Stires, Margaret Grace, *s*, *a*, *w*, *sp*, Byron. Rockford C. 1913–16.
Stith, Beryl N., *s*, Terry, Mont. Terry Hs. '12; Montana State Normal S. '14.
Stockdale, Carrie Margaretta, *s*, LaGrange. Lyons Township Hs.
Stocking, Edith, *s*, North Bend, Neb. Fremont Normal S.; Oberlin C. 1898–99.
Stockman, Mary Margaret, *s*, Napoleon, Ohio. Napoleon Hs. '09.
Stoecklin, Martin, *s*, Hermann, Mo. Central Wesleyan C. '12; State Normal S., Warrensburg, '15; Central Wesleyan U. '16.
Stolt, Edna Blanche, *a*, *w*, *sp*, Odebolt, Iowa. Odebolt Hs. '04; Colorado Teachers' C. '16.
Stone, Alice, *s*, *a*, San Antonio, Tex. Denton Hs. '89.
Stone, Lola, *s*, *a*, *w*, *sp*, San Antonio, Tex. San Antonio Hs. '06.
Stone, Wren A., *a*, *w*, *sp*, West Line, Mo. Harrisonville Hs. '10; State Normal S., Warrensburg, 1910–12; U. of Missouri; U. of Kansas.
Storman, Cornelia, *s*, Lead, S.D.
Storrs, Edna Laura, *a*, *w*, Chicago. Kankakee Hs. '12.
Stouder, Hazel Irene, *a*, *w*, *sp*, Chicago. Montpelier, Ohio, Hs. '11; Tri-State C. '12.
Stouffer, Claudia B., *w*, *sp*, Adeline. University Hs. '14.

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Stough, Elizabeth, *s*, Canton, Ohio. Canton Hs. '91.
Strawbridge, Ralph Waldo, *s*, Erie, Pa. Fawn Grove A. '97; Maryland State Normal S. '00.
Streid, Frieda Irene, *s*, Washington. Illinois Wesleyan U. 1911–12; Bluffton C. 1914–15.
Stroh, Marguerite Glendora, *s*, Hume. Hume Hs. '12; Illinois State Normal U.; Illinois Eastern State Normal S.
Strutz, Mrs. Rose Conner, *s*, Rolling Prairie, Ind. Rolling Prairie Hs. '94; Valparaiso U., Summers '08, '11; Teachers' C., Indianapolis, '13.
Stuart, Bertha E., *a, w, sp*, Chicago. Austin Hs. '14.
Stumpl, Alta Elanore, *s*, Kansas City, Mo.
Suft, Walter Charles, *s*, Greenfield. Illinois State Normal S.
Sugg, Mrs. Clyde Francis, *s*, Dyersburg, Tenn. Peabody C. for Teachers '89.
Sullivan, Mabel, *a, w, sp*, Chicago. Englewood Hs. '16.
Sullivan, Margaret I., *s*, Butte, Mont. Marysville Hs. '03.
Sullivan, Marie G., *s*, Howell, Ind. Clark Hs. '07; Terre Haute Normal S.
Sutherland, Alice, *s*, Chicago. University Hs. '11.
Sweeney, Frances Gertrude, *s*, Denver, Colo. East Denver Hs. '10; Colorado State Teachers' C. '12; Colorado U. Extension '15.
Swick, Mary Elizabeth, *s*, Baltimore, Md.
Swisher, Hazel, *w, sp*, Gary, Ind. Emerson Hs. '16.
Taff, Lucy Agnes, *s*, Fort Dodge, Iowa. Fort Dodge Hs. '93.
Tait, Marion, *s*, Rockford. Rockford Hs. '13; Rockford Training S. '15.
Tang, Yuet Ha Anna, *s*, Hongkong, China. Deadwood Hs. '14; Oberlin C. 1914–16.
Tanzey, Audrey Eleanor, *a, w, sp*, Middletown, Ohio. Middletown Hs. '97; Dayton Normal S. '99; San Diego State Normal S. '14.
Taylor, Annah Stopps, *s*, Chicago.
Taylor, Catherine Dorothy, *s*, Kansas City, Mo. Westport Hs. '12; Manual Training S., Kansas City.
Taylor, Ethel Cook, *s*, Kansas City, Mo. Kansas City Hs. '99; Normal Hs. '00.
Taylor, Fanna Lucretia, *s*, Danville, Ind. Central Normal C.
Taylor, Fred Nehemah, *s*, Aledo. Cornell C. 1888–91; Knox C. 1891–92; U. of Iowa '93.
Taylor, Maebelle E., *s*, Birmingham, Ala. Birmingham Hs. '12; Mississippi Industrial Inst. and C. '14.
Taylor, Robert Leonard, *s*, Brunswick, Tenn. Yorkville Hs. '92; Southern Normal U. '96.
Tazelaer, Marguerite G., *a, w, sp*, Grand Rapids, Mich. Central Hs. '12.
Tearney, Orville Addison, *s*, Galveston, Tex. Columbia U.
Teddlie, Eddie, *s*, St. Maurice, La. Louisiana State Normal S. '14.
Teddlie, Frances, *s*, St. Maurice, La. Louisiana State Normal S. '14.
Teddlie, Ruby, *s*, St. Maurice, La. Louisiana State Normal S. '08.
Terry, Ella Lou, *s*, Columbus, Miss.
Thatcher, Blanche, *s*, Great Bend, Kan. Great Bend Hs. '03; Kansas State Normal S., Summer '08.
Thayer, Harry Colter, *s*, Muskogee, Okla. West Hs., Des Moines, Iowa; Highland Park A. '09.

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Thomas, Albert R., *s*, San Antonio, Tex. Ohio Northern U. '87; A.B. (Ohio Northern U.).
Thomas, Earl Davis, *a*, *w*, *sp*, Kansas City, Kan. Sumner Hs. '15.
Thomas, Elizabeth Mary, *s*, Joliet. Joliet Township Hs. '13.
Thomas, Gertrude White, *s*, *a*, *w*, *sp*, Evanston. Lewis Inst. '12; Simmons C. 1912–13.
Thomas, Mrs. Louise Wendell, *a*, Chicago. Hyde Park Hs.
Thomas, Mrs. Margaret T., *s*, Greenville, Ky.
Thomas, Maud Leola, *s*, *a*, *w*, Stillwater, Okla. A.B. (U. of Arkansas).
Thomas, May Blanche, *s*, Belvidere.
Thomas, Myrtle, *s*, Carthage, Mo. Carthage Hs. '89.
Thomas, Mrs. Rose Ellis, *s*, *w*, *sp*, Marlin, Tex. Southwest Texas Normal S. '07.
Thompson, Beatrice Lucile, *s*, San Antonio, Tex. Tuskegee Inst. '12.
Thompson, Dora Belle, *s*, Waupaca, Wis.
Thompson, Emily, *s*, South Bend, Ind. South Bend Hs. '09; Valparaiso U.
Thompson, George Robert, *s*, Anderson, Ind. Muncie Normal Inst., Summer '14.
Thompson, Grace G., *s*, Spirit Lake, Iowa. Spirit Lake A. 1896–97; Cedar Falls Teachers' C., Summers '06, '09.
Thompson, Helen Gertrude, *a*, *w*, *sp*, Chicago. Hyde Park Hs. '16.
Thomson, Helen Adams, *a*, *w*, *sp*, Grand Haven, Mich. Grand Haven Hs. '14.
Thoren, Edith Irene, *s*, Chicago. Englewood Hs. '13.
Thralls, Zoe Agnes, *s*, *a*, *w*, *sp*, Webb City, Mo. Webb City Hs. '07; Fourth District State Normal S.
Thudium, Medie David, *s*, Joplin, Mo. Ashland Hs. '85; Ada Normal U.; S.B. (Ada U.) '89.
Tilton, Olive S., *a*, *w*, Danville. Andrews Hs. '97; Indiana State Normal S. '06; U. of Illinois.
Tinsley, Samuel B., *s*, Louisville, Ky. Male Hs. '88; S.B. (Rose Polytechnic Inst.) '92.
Tipton, Lula M., *s*, Dyersburg, Tenn. Dyersburg Hs. '87.
Titsworth, Gladys, *a*, *w*, Rushville, Ind. Rushville Hs. '15.
Titus, Virginia, *a*, Chicago. Lewis Inst. '11.
Todd, Elgin Lee, *s*, Anderson, Ind. Anderson Hs. '09; Indiana U.
Todd, Hubert Castle, *s*, *a*, *w*, Anderson, Ind. Anderson Hs. '16.
Todd, Jessie Elizabeth, *a*, *w*, *sp*, Chicago. Austin Hs. '08; Chicago Normal C. '10; Valparaiso U. 1915–16.
Todd, Lowell Forest, *a*, *w*, *sp*, Anderson, Ind. Anderson Hs. '13.
Todd, Rolland D., *s*, Anderson, Ind. Anderson Hs. '14.
Todd, Violet Elizabeth, *a*, *w*, *sp*, Mishawaka, Ind. Mishawaka Hs. '14.
Toigo, James John, *w*, Benld. Staunton Hs. '16.
Topping, Amy Belle, *s*, Burlington, Iowa. Burlington Hs. '07; Iowa Wesleyan C. 1908–9; Stout Inst. 1909–10.
Torpin, Mildred, *s*, *a*, *w*, *sp*, Oakdale, Neb. Oakdale Hs. '14.
Torrey, Bessie Leah, *s*, Allegan, Mich. Allegan Hs. '03; Michigan State Normal C. '08.
Torrison, Esther Carolyn, *a*, *w*, *sp*, Decorah, Iowa. Decorah Hs. '13.
Totten, Callie May, *s*, Abilene, Tex. Abilene Hs. '98.
Totten, Emmarhea, *s*, Abilene. Tex. Abilene Hs. '10.

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Touve, Wallie, *s*, Centralia. Centralia Hs. 1893–97; Southern Illinois Normal U.
Towle, Nellie Sanborn, *s*, Wauwatosa, Wis. Chicago Froebel Association '01; Iowa C. 1896–99.
Townsend, Katherine Anne, *a*, *w*, *sp*, Beatrice, Neb. Beatrice Hs. '16.
Trader, Lillian G., *s*, Savanna. Savanna Hs. '09.
Trager, Lucile, *a*, *w*, *sp*, Lansing, Mich. Lansing Hs. '14; Michigan Agricultural C. 1914–16.
Treadaway, Carey Pelham, *s*, Newman, Ga. Newman Hs. '08; Bessie Tift C. '09; A.B. (Cox C.) '11.
Treat, Helen, *s*, Charles City, Iowa. Charles City Hs. '14; Iowa State C. '14; Stout Inst. 1915–16.
Trebilcock, Jennie, *s*, Princeton, Mich. Ishpeming Hs. '05; Michigan State Normal C. '11.
Trimble, Bulah Ruth, *s*, Indianapolis, Ind. Williamsport Hs. '11; Teachers' C., Indianapolis, '14.
Triplett, Mary Jeannette, *s*, *a*, *w*, *sp*, Chicago. Wendell Phillips Hs. '07.
Trovinger, Lena Sara, *s*, Coshocton, Ohio. Coshocton Hs. '11; Ohio Wesleyan U. 1912–13; Kansas State Agricultural C. 1913–14.
Tschan, Alice Eliza, *s*, LaGrange. Private study.
Tueloss, Emma, *s*, Amarillo, Tex.
Tull, Anna Bertha, *s*, Bono, Ark. Ellsworth Hs. '00; Northwestern U. 1900–1902.
Tupper, Helen B., *s*, Mishawaka, Ind. South Bend Normal S. '12.
Turnbach, Emma Barbos, *s*, Providence, R.I. Phillipsburg, Pa., Hs. '99; A.B. (Wilson C.) '03.
Turner, Anna Laura, *s*, Tahlequah, Okla. National Sm. '09; Northeastern State Normal S. '11.
Turner, Grace, *s*, Mishawaka, Ind. South Bend Normal S. '12.
Turney, Emma Bell, *s*, Huntington, W.Va. Huntington Hs. '13; Marshall C. '14.
Uchityl, Julia B., *s*, Toledo, Iowa.
Ullrich, Minnie, *w*, *sp*, Plymouth, Wis. U. of Wisconsin '09.
Ulrich, Adele Luise, *s*, Chicago.
Van Alta, Clara Mary, *w*, Telluride, Colo. Ped.B. (Colorado State Teachers' C.).
Van Amburgh, Della, *s*, Kansas City, Mo.
Van Arsdale, Marjorie Anna, *w*, *sp*, Chicago. Hyde Park Hs. '15.
Van Camp, Oliver Cromwell, *s*, Sistersville, W.Va. U. of Louisville; Ohio Northern U.; A.B. (Valparaiso U.) '15.
Vandergaw, Ida, *s*, Oakland, Cal. U. of California.
Van Hook, Jennie Belle, *s*, Ruston, La. Louisiana Industrial Inst. and C. 1904–9.
Vann, Florence Olive, *a*, *w*, Detroit, Mich. Detroit Normal Kindergarten S.
van Pappelendam, Laura, *w*, *sp*, Keokuk, Iowa. Chicago Art Inst. '09.
Vanquelin, Sarah N., *s*, New Orleans, La. Southern U. 1911–12.
Vansaw, Ralph P., *s*, Colon, Mich. Michigan State Normal C.
Vaughan, Marie, *a*, *w*, *sp*, Vancouver, Wash. Vancouver Hs. '12; Portland, Ore., Art S.; Berkeley C. Art S.
Vaughn, Elizabeth Mary, *s*, Valentine, Neb. Sarcoxie Hs. '97; Wayne, Neb., State Normal S. '12; Morningside C.; Junior Normal S. '14.

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Vause, Alice Sherrerd, *s*, Hartford, Mich. Wendell Phillips Hs. '07; Chicago Froebel Association '10.
Venable, Leila F., *a*, *w*, *sp*, Keithsburg. Illinois Wesleyan U. 1914–16.
Venegar, Frederick Thomas, *s*, Pine Bluff, Ark. S.B. (Wilberforce U.) '93.
Vercoe, Margaret, *s*, Deadwood, S.D. Spearfish State Normal S. '13.
Vicha, Mary, *s*, Tiffin, Ohio.
Vimont, Charlotte Clay, *s*, Des Moines, Iowa. Des Moines Kindergarten Normal S. '92.
Vise, Mrs. Ethel Newcomb, *s*, Denison, Tex. Corinth, Miss., Hs. '03.
Vollintine, Grace, *s*, Lincoln, Neb. Beatrice Hs. '99.
Vorheis, Birdie, *s*, Alva, Okla. Hs. Department, Normal S. '01; Northwestern State Normal S. '03; U. of California; Colorado State Teachers' C.
Vossler, Eleanora, *s*, Wheeling, W.Va.
Waddington, Nellie M., *s*, Wichita, Kan.
Waggoner, Louise, *s*, *a*, *w*, *sp*, Chicago. Hyde Park Hs. '15.
Waidelich, Arthur George, *s*, La Fayette, Ind. Purdue U. 1910–12.
Waite, Harriet B., *s*, Wabash, Ind. Wabash Hs.
Walker, Dorothea L., *s*, Ryan, Okla. Ryan Hs. '12; Central State Normal S. 1914–15.
Walker, Elizabeth M., *s*, Medicine Hat, Alta., Canada. Medicine Hat Hs. '15; Calgary Normal S. '15.
Walker, Emily, *s*, Richmond, Ind.
Walker, Helen Adelaide, *s*, Newton, Mass.
Walker, Marjorie Jean, *s*, Medicine Hat, Alta., Canada. Alexandra Hs. '10; Alberta Normal S. '11; Alberta U. '14.
Walker, Nellie Lorena, *a*, *w*, *sp*, Adrian, Mich. Chicago Free Kindergarten Association '05.
Walker, Sallie, *s*, Davenport, Iowa.
Walkington, Doris Marian, *a*, *w*, *sp*, Ringwood. Elgin A. '14.
Wallace, Ethel May, *s*, Marion, Iowa. Coe C. 1911–12; Iowa State Teachers C. '13.
Wallace, Vyvian Humphreys, *s*, Ruleville, Miss. Oxford Hs. '09; U. of Mississippi 1910–11.
Walley, G. Ethel, *s*, Kansas City, Mo. Central Hs. '94.
Walsh, Elizabeth Frances, *s*, Chicago.
Walsh, Margaretta Helen, *s*, Chicago.
Walter, Beth, *s*, Riley, Kan.
Walter, Margaret Grace, *s*, Rossville, Ind. Rossville Hs. '08; Winona Normal S.; Marion Normal S.; Indiana U.
Walther, Clarence C. J., *s*, Harvey. Port Byron Hs. '05; Northern Illinois State Normal S. '10; Northwestern U.
Walther, Elise Katherine, *s*, Chicago.
Walton, Lucille C., *s*, St. Louis, Mo. Sumner Hs. '11; Sumner Normal S. '13.
Wang, Fang Chuen, *a*, *w*, Shasi, China. A.B. (Boone U., China) '13.
Wantland, Carrie Belle, *s*, Purcell, Okla. Purcell Hs. '15; Central State Normal S., Edmond, Okla., '16.
Ward, Anna Bell, *s*, Kokomo, Ind. Kokomo Hs. '85; Indiana State U. 1891–92; Ph.B. (Bethany C.) '12.

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Ward, Bessie, *s*, Idaho Falls, Idaho.
Ward, Lanore, *s*, Fairmont, Minn. Fairmont Hs. '11; U. of Wisconsin 1911–14.
Warden, Annie Vashti, *s*, Caruthersville, Mo. Bardwell, Ky., Hs. '00; Cape Girardeau Normal S.
Ware, Edith Cavitt, *a, w, sp*, Spokane, Wash. Spokane Hs. '05; Ph.B. (Whiteworth C.) '09.
Warren, Blannie, *s*, De Funiak Springs, Fla. Walton County Hs. '13; Florida State C., Normal Department.
Warren, Roy Everet, *s*, Berkeley, Cal.
Washington, Verna, *w, sp*, Durant, Okla. Purdy Hs.; Southeastern State Normal S. '13.
Wasson, Grace E., *s*, Marshall, Minn. Northern Normal S. '13; Industrial S., Aberdeen, S.D.
Wasson, Marguerite Adelaide, *a, w, sp*, Chicago. Laporte, Ind., Hs. '13; Coe C. 1914–15.
Waterman, Elva Louise, *s*, Rockford. Rockford Hs. '14; Rockford Training S. for Teachers.
Waters, Anne Willson, *s*, Louisville, Ky. Science Hill School, Shelbyville, Ky., 1884–86; Teachers' C. 1906–7.
Waters, Marie Margaret, *s*, St. Paul, Minn. St. Joseph's A. '10; St. Paul Normal S. '14.
Watson, Eva, *s*, Leavenworth, Kan.
Watson, Lee Merton, *s*, Oak Park. Massachusetts Normal Art S. 1894–1905.
Watson, Lula M., *s*, Dallas, Tex. North Texas State Normal S. '06.
Watt, Mrs. Tress McGillin, *s*, Burley, Idaho. Stillwater Hs.; St. Cloud State Normal S. '09.
Watters, Edith Margaret, *a, w, sp*, Chicago. Austin Hs. '14.
Watts, Mrs. Grace H., *s*, Cushing, Okla.
Watts, Marvin Hendrix, *s*, Cushing, Okla. Yellville Hs. '04; Normal S., Springfield, '12; U. of Oklahoma; Hendrix C. '11.
Weatherington, M. Clifford G., *s*, Dallas, Tex.
Weaver, Gilbert Grimes, *s*, York, Pa. Pennsylvania State C. 1911–13.
Weaver, Mary Lewis, *s*, Nocona, Tex. A.B. (Kidd-Key C.) '13; North Texas State Normal S. '14.
Webb, Gertrude McConley, *s*, McGregor, Iowa. Thomas Normal Training S. '09.
Webb, Sara Margaret, *s, a, w, sp*, Athens, Ga. Industrial Inst. and C. 1904–6; Georgia State Normal S. '10; U. of Georgia 1915–16.
Weber, Bessie Helen, *s*, Chicago.
Weber, Lula Katherine, *s*, Dayton, Ohio. Dayton Normal and Training S. '06.
Webster, Eva E., *s*, Chicago.
Weed, Della Leone, *s, a, sp*, Chicago. Winona Normal S. '97.
Weeks, Anne Marie, *a*, Racine, Wis. Racine Hs. '14.
Weibel, Elise, *s*, Louisville, Ky. Louisville Girls' Hs. '05; Louisville Normal S. 1905–7.
Weibling, Bessie May, *s*, San Antonio, Tex. San Antonio Hs. '03.
Weibling, Josephine Angie, *s*, San Antonio, Tex. San Antonio Hs. '06.
Wells, Lucy Buckner, *a*, Chicago. Louisiana Hs. '10.

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Wells, Nella, *s*, Chipley, Fla. Chipley Hs. '12; Normal Department, State C. for Women.
Wells, Ralph Otto, *s*, Downers Grove. Ferris Inst. '10.
Wendel, Helen, *s*, Mesa, Ariz. Mesa Hs. '13; Tempe Normal S. '15.
Werle, Esther Elizabeth, *s*, Wausau, Wis. Marathon County Training S. 1910–11; Stevens Point Normal S. 1911–15.
Wertenberger, Ira W., *s*, Brooklyn, Mich. Michigan State Normal C. '10.
Wescott, Helen, *a*, *w*, *sp*, Chicago. U. of Southern California 1913–14.
Wesley, Henry Willis, *s*, Lookout Mountain, Tenn. Western Kentucky State Normal S. 1909–11.
Wesley, Rose, *s*, Highland Park. Milwaukee, Wis., Hs. '02.
West, Emmett Le Roy, *s*, Brooksville, Ky. Buffalo Hs. '97; S.B. (East Lynn C.) '99; A.B. (*ibid.*) '03.
West, William Ernest, *s*, Austin, Tex. Austin Hs. '10; U. of Texas 1910–15.
Westwood, Laura Ellen, *s*, Hardin, Mont. Martins Ferry, Ohio, Hs. '95; Cornell U.
Whalen, Agnes Marie, *a*, *w*, *sp*, Pontiac. Pontiac Township Hs. '10; Illinois State Normal U. '16.
Wheeler, Anna E., *s*, Chicago.
White, Clara Isabel, *s*, Essex. Illinois State Normal U. '13.
White, Earl, *a*, *w*, Angola, Ind. Orland, Ind., Hs. '06; Tri-State C.
White, Nellie E., *s*, Dallas, Tex. Paris, Tex., Hs. '95; U. of California.
Whitehead, Clarence Burnett, *s*, Albert City, Iowa. Northwestern U. 1915–16.
Whitmore, Alfarata Aldine, *s*, Topeka, Kan. Topeka Hs. '99; Kansas State Normal S. '04.
Whitney, Elizabeth Ann, *s*, Lakewood, Ohio. Iowa State Normal S. '05.
Whittaker, Elsie M. R., *a*, *w*, *sp*, Camden, N.J. / Millersville, Pa., State Normal S. '12.
Whitworth, Ada, *s*, Cleveland, Ohio. Cleveland Normal S. '91.
Wicks, Evelyn Emily, *s*, Springfield. Springfield Hs. '03; Springfield Teachers' Training S. '04.
Wicks, Lorenzo C., *s*, Fremont, Neb.
Wiebe, William, *s*, Newton, Kan. German Realgymnasium '12; A.B. (Bethel C.) '15.
Wiest, Flora E. T., *s*, Manhattan, Kan.
Wilcox, Margaret, S., *w*, *sp*, Chicago. Hyde Park Hs. '15.
Wildish, Laura Wolcutt, *a*, *w*, *sp*, Chicago. Aurora, Neb., Hs. '15.
Wiley, Lula M., *s*, Colorado Springs, Colo. Arkansas City Agricultural C.
Wilkinson, Forrest I., *s*, Troy, Mo. Troy Hs. '09; Missouri U., Summers '11, '12; Virginia U.
Wilkinson, Vera Melroy, *s*, Troy, Mo. Worcester, Mass., Domestic Science S. '14.
Willcockson, Ruth, *s*, *a*, *w*, *sp*, Pana. Charleston Normal S.; James Millikin U.
Williams, Emma Katherine, *s*, Anderson, Ind. Alexandria Hs. '05; Indiana U. 1906–8.
Williams, Esther, *sp*, Miller, Ind. Lewis Inst. '15.
Williams, Helen, *a*, *w*, *sp*, Marble, Colo. Winfield, Kan., Hs. '13; Colorado State Normal S., Summer 1914–15.

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Williams, Helen E., *s*, Whiting, Ind. Kalamazoo Hs. '10; Western State Normal S., Kalamazoo, '12.
Williams, Mrs. Lizzie Lou, *s*, Texarkana, Ark. Galloway C. '96.
Williams, Lucille Renex, *s*, St. Louis, Mo. St. Louis Summer Normal S. '10.
Williams, Ralph Reid, *s*, Pineville, La. Georgetown A. '10.
Williams, Robert Franklin, *s*, Amarillo, Tex. Amarillo Hs. '90; Southern Illinois Normal U. '00.
Williams, Susie Eleanor, *s*, Macomb. Macomb Hs. '12; Western Illinois State Normal S. '14.
Williams, Winifred M., *s*, Ottumwa, Iowa. Ottumwa Hs. '09.
Williamson, Lilla Gertrude, *s*, Temple, Tex. Southwest Texas State Normal S. '06.
Williamson, Vara Leta, *s*, Austin, Tex. Austin Hs. 1897–1900; Southwest Texas State Normal S. '04; Texas U. 1906–7.
Williamson, Willie Annie, *s*, Austin, Tex. Southwest Texas State Normal S. 1909–10; North Texas State Normal S. '12; Texas U.
Willy, Dorothy Elizabeth, *s*, *a*, Chicago. Hyde Park Hs. '06.
Wilson, Christiana Ellis, *s*, Taylor, Tex. Southwest Texas State Normal S. '13.
Wilson, Ella Mary, *s*, Kearney, Neb. Kearney Hs. '07; Nebraska State Normal S. '08; Nebraska U.
Wilson, Elizabeth Purnell, *sp*, Landon, Miss. Chickasaw C.; Gulfport, Miss., Hs.; Mississippi Normal S.; Mississippi Industrial Inst. and C.
Wilson, Elmer J., *s*, Fond du Lac, Wis. Michigan State Normal S. '01.
Wilson, Emily, *a*, *w*, *sp*, La Harpe, Kan. Kansas State Manual Training S. '13.
Wilson, James Harvey, *s*, Arkansas City, Kan.
Wilson, Laura Lee, *s*, Crown, Tex. San Antonio Hs. '98; Southwest Texas State Normal S. '07.
Wilson, Lottie, *s*, Springfield, Mo. Springfield Normal S. '04; Drury C., England, 1909–10; Springfield State Normal S. '13.
Wilson, Mae, *s*, Corinth, Miss. Corinth Hs. '11.
Wilson, Pearl Ethel, *s*, Vermilion, S.D. Centerville, S.D., Hs. '11; U. of South Dakota '12.
Wilson, Rena Elizabeth, *s*, Guthrie, Okla. Logan County Hs. '13; Kansas State Normal S. '15.
Wilson, Ruth Harriet, *a*, *w*, *sp*, Washington, Iowa. Milwaukee-Downer C. '15.
Wingo, Kathleen, *s*, Little Rock, Ark. McFirrin C. 1900–1904.
Wirth, Erwin D., *s*, Waterloo.
Witherspoon, Florence P., *s*, Louisville, Ky.
Wolfe, Laura Estella, *s*, Covington, Ky. Verona, Ky., Hs. '88; Western State Normal S., Bowling Green, Ky., '06.
Wolff, Grace Annetta, *s*, Lennox, S.D. Lennox Hs. '12; Madison State Normal S. 1912–14.
Wolford, Amy Lucile, *s*, *a*, Superior, Wis. Superior State Normal S.
Wolfrum, Averry V., *s*, Chicago.
Wood, Bina, *a*, *w*, *sp*, Logan, Iowa. Logan Hs. '13.
Wood, Mrs. Mabel Voorhees, *s*, Davisburg, Mich. Pontiac, Mich., Hs.; Ferris Inst.

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Wood, Oscar S., *s*, Big Rapids, Mich. Scottville, Mich., Hs. '09; Michigan State Normal C. '13.
Woodard, Mamie Franklin Burd, *s*, Lexington, Ky. Chandler Normal S. '99.
Woodring, Ruth, *a*, *w*, *sp*, Chicago. Angola Hs. '12; Tri-State C. '14.
Woods, Katie Estell, *s*, Verden, Okla. Verden Hs. '15; Oklahoma U. 1915–16.
Woolhiser, Ethel Martha, *s*, *a*, *w*, *sp*, Freeport. Whitewater Normal S. '13.
Woolworth, Grace Herrick, *a*, *w*, *sp*, Kearney, Neb. Kearney Hs. '11; Kearney State Normal S. '12.
Worthley, Wallace Floren, *w*, *sp*, Chicago. Wendell Phillips Hs. '16.
Wright, Leathe B., *s*, Rensselaer, Ind.
Wright, Mary J., *s*, Winona, Miss. Winona Hs. '97; M.E.L. (Grenada C.) '01.
Wright, N. Grace, *s*, Montrose, Iowa. Montrose Hs. '08.
Wyckoff, Mary L., *s*, Peoria. Knox A. '85.
Yarbrough, Nellie Virginia, *s*, Ruston, La. Ruston Hs. '10; Louisiana Industrial Inst. 1911–14.
Ylvisaker, Dagny J., *s*, Mayville, N.D. Mayville Hs. '12; Mayville State Normal S. '13.
Young, Anna Margaretta, *s*, Braidwood. Wilmington Hs. '14.
Youngberg, Mrs. Elin Anna, *s*, Omaha, Neb. Essex Hs. '02.
Yutzey, Agnes Clare, *a*, *w*, *sp*, Middleton, Mich. Ithaca, Mich., Hs. '03; Central State Normal S., Mount Pleasant, Mich., '10.
Zeiters, Opal Clarse, *s*, Plymouth, Ind. Plymouth Hs. '11; Winona Lake C., Ind., 1911–13.
Zickler, Irma Pauline, *a*, *w*, *sp*, Zillah, Wash. Janesville, Wis., Hs. '08; U. of Minnesota 1909–10.
Ziegler, La Vanne, *s*, Sioux City, Iowa. Sioux City Hs. '12; Lesley Normal S. '15.

MEN—224 WOMEN—1,513 TOTAL—1,737

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SCHOOL OF COMMERCE AND ADMINISTRATION

NOTE.—Where no institution is named it is understood to mean that the student entered the Senior Colleges from other divisions of the University of Chicago.

SENIOR COLLEGE STUDENTS

Allen, Clifford William, *a, w, sp,* Greencastle, Ind. DePauw U.
Anderson, Paul Richard, *a, w, sp,* Chicago.
Andrews, Andrew Gregory Hadji, *s,* Rhodes, Turkey in Asia.
Anglemyer, Amzy Floyd, *a, w, sp,* Nappanee, Ind.
Bean, Donald Pritchett, *s, a, w,* Bloomington.
Boguslawsky, Olga, *a,* Chicago.
Bradford, Donald Sidney Lorenz, *a, w, sp,* Springfield.
Brown, Morris Vernon, *a,* Cleveland, Ohio.
Burchard, Marion Barton, *a, w, sp,* Chicago. Mount Holyoke C.
Carlston, Edward Alfred, *sp,* South Omaha, Neb.
Charlesworth, Guy Roswell, *a, w, sp,* Kaukauna, Wis. U. of Wisconsin.
Clark, Mary Moore, *sp,* Chicago. Leland Stanford Junior U.
Cohen, Sigmund Hyman, *a, w,* Chicago.
Corman, Bertha, *a, w, sp,* Chicago.
Cosgrove, John Francis, *a, w, sp,* Chicago.
Cox, Casper Waldo, *a, w,* Greensboro, N.C.
Crossland, Clem Casper, *s, a, w, sp,* Wayne Neb. Nebraska Wesleyan U.
Danner, Dorothy, *w, sp,* Mount Pulaski.
Davenport, John Lessie, *s,* Warrensburg, Mo.
Day, Joseph John, *a, w, sp,* New Albany, Ind.
Dodson, Leon Alva, *w,* Wichita, Kan. Friends' U.
Eaton, Joseph, *a,* Eaton, Colo. U. of Denver.
Edgeworth, John, *a,* Kankakee.
Eichman, Marion B., *w, sp,* Chicago.
Epstein, Alvin Nathan, *a, w, sp,* Chicago.
Fox, Frank Lloyd, *a,* Platteville, Wis.
Frost, Walter Albert, *s, w, sp,* Bay City, Mich. U. of Michigan.
Hayes, Margaret Anastatia, *a, w, sp,* Chicago.
Helmle, Robert Kuhl, *sp,* Oak Park.
Hickmott, John Thurston, *a, w,* Mendon, Mich. Kalamazoo C.
Hill, Ruby May, *s,* Kenosha, Wis.
Hops, Donald Voorhees, *a, w, sp,* Washington.
Horak, Jakub, *s,* Chicago. A. of Commerce, Prostejov, Moravia.
Johanigman, Sterling Edmund, *w, sp,* Chicago.
Johnson, Albin O., *a, w, sp,* Peru, Neb.
Johnson, John Oliver, *w, sp,* Chesterton, Ind.
Kennedy, Martha, *w,* Cedar Rapids, Iowa.
Kuh, Richard Michael, *a, w, sp,* Chicago.
Larson, Birger Eskil, *sp,* Chicago.
Levin, Moses Bernard, *a, w, sp,* Chicago.
Lewis, Cleona, *s, a, w, sp,* Danville.

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Lewis, Sterling Alexander, Jr., *s*, Lone Mountain, Tenn.
Liemert, Johann Ritter von, *s*, *a*, Vienna, Austria. Austro-Hungarian Naval A.
Lindemann, Oscar Edwin, *a*, *w*, *sp*, Milwaukee, Wis.
Lipman, Abba, *w*, *sp*, Chicago.
Lunak, Milo Ralph, *s*, Cedar Rapids, Iowa.
Lund, Elsa Gerda, *s*, *a*, *w*, *sp*, Palos Park.
MacFarland, Adrian Rienzi, *a*, *w*, Chicago.
Mandl, Hortense Independence, *s*, *a*, *w*, *sp*, Chicago. Frances Shimer A.
Mease, Myron Frank, *w*, Madison, S.D. South Dakota U.
Meine, Franklyn Julius, *a*, *w*, *sp*, Chicago.
Murphy, Martha Irene, *a*, *w*, *sp*, Chicago.
Nagely, Louisa Elizabeth, *s*, *a*, *w*, Chicago.
North, Alexander Frederick, *a*, *w*, Milwaukee, Wis.
Olson, Helen Rozana, *a*, *w*, *sp*, Chicago.
Palmer, Vivien Marie, *sp*, Chicago.
Pederson, Arthur Odwin, *a*, *w*, Bayley, Minn. Carleton C.
Pendleton, James Henry, *s*, Wichita, Kan. Fairmount C.
Perk, Benjamin, *sp*, Indianapolis, Ind.
Planalp, Philip Grant, *a*, *w*, *sp*, Storm Lake, Iowa.
Powers, Dwight Raymond, *a*, *w*, *sp*, North Bend, Neb.
Regent, Jeanette Bessie, *a*, *w*, *sp*, Chicago.
Reticker, Edward, *sp*, Chicago.
Rockwell, Alice, *a*, *w*, *sp*, Chicago.
Ross, Raymond Thomas, *a*, Crawfordsville, Ind.
Sato, Mikio, *a*, *w*, *sp*, Yokohuman, Japan. Keiogijuku U.
Sells, Donald Douglas, *s*, *a*, *w*, *sp*, Washington, D.C.
Shellow, Henry, *sp*, Chicago.
Slifer, John, *a*, *w*, *sp*, Chicago.
Soukup, Edward Theodore, *w*, *sp*, Fremont, Neb.
Strickland, Russell Hamlyn, *a*, *w*, *sp*, Greenfield, Ind. Indiana U.
Swanson, Hary Roland, *a*, Chicago.
Taylor, Max William, *sp*, Lincoln, Neb. U. of Nebraska.
Uehling, Harold Theodore, *a*, *w*, *sp*, Uehling Neb.
Wheeler, Joseph Edward, *w*, *sp*, New Ulm, Minn.
Wigeland, Andrew Ellsworth, *a*, *w*, *sp*, Chicago.
Williams, Lucy Coleman, *a*, *w*, *sp*, Springfield.
Williston, Eugenie, *sp*, Chicago.
Winn, Victor Jay, *s*, Chicago.
Wise, Basil Fred, *w*, *sp*, Winfield, Iowa. Parsons C.
Wolfner, Edwin David, *a*, *w*, Chicago.
Yoran, Mary Stockton, *w*, *sp*, Chicago. Lombard C.

MEN—61 WOMEN—21 TOTAL—82

JUNIOR COLLEGE STUDENTS

Abraham, Arthur Maurice, *a*, Watson. Effingham Hs.
Abrams, Ben B., *sp*, Chicago. Medill Hs.
Acker, Irwin Dewey, *a*, *w*, *sp*, Chicago. Parker Hs.

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Adams, George Fraser, *a, w,* Chicago. Parker Hs.
Adelmann, Marie Elizabeth, *a, w,* Moline. Moline Hs.
Allen, Joseph Arrington, *a, w, sp,* Chicago. Lane Technical Hs.
Amborn, Conrad John, *a,* Fort Madison, Iowa. Fort Madison Hs.
Anderson, Albert Henry, *w, sp,* Springdale, Mont. Montana State C.
Banks, Stanley McBride, *a, w, sp,* Compton. Pawpaw, Ill., Hs.
Bargquist, Lillian Dorothy, *w, sp,* Chicago. Lake View Hs.
Barker, Roland Ford, *a, w, sp,* Chicago. Phillips Hs.
Barron, Mary Welch, *s, w, sp,* Chicago. Hyde Park Hs.
Baskin, Benson Lionel, *a, w, sp,* Chicago. Crane Technical Hs.
Bass, Samuel Bosserman, *a,* Fairbury. U. of Illinois.
Bates, Harold Martin, *w, sp,* Elkhart, Ind. Elkhart Hs.
Bennett, Lois, *a, w,* Berwyn. Eastern Illinois State Normal S.
Binford, Donald Hill, *s,* Greenfield, Ind. University Hs.
Block, Milton Daniel, *a, w, sp,* Chicago. Tuley Hs.
Bos, Nanko Cornelius, *a, w, sp,* Oak Park. Hollywood Hs.
Bregstone, Joseph Milton, *a, w, sp,* Chicago. McKinley Hs.
Brewington, Anna Elizabeth, *w, sp,* Bevier, Mo. State Normal S., Kirksville, Mo.
Brown, Hamilton Taylor, *w, sp,* Kingston, Jamaica, B.W.I. Wayland A. of Virginia Union U.
Brown, Helen Alice, *s, a, w, sp,* Chicago. Phillips Hs.
Budinger, Charity Elizabeth, *a, w, sp,* Chicago. University Hs.
Bugher, Charles A., *w, sp,* Ladysmith, Ark. Lawrence C.
Bulbick, Walter Louis, *a, w, sp,* Elkhart, Ind. Elkhart Business C.
Campbell, Walter Shirley, *w, sp,* Alpena, Mich. Western State Normal S., Kalamazoo, Mich.
Carlston, Edward Alfred, *w,* South Omaha, Neb. South Omaha Hs.
Carr, Florence Mae, *a, w, sp,* Dundee. Dundee Hs.
Center, Allen Hyde, *a, w, sp,* Oak Park. Lewis Inst.
Clark, Bessie, *a,* Hinckley. Hinckley Hs.
Clark, Edna Louise, *a, w, sp,* Chicago. Hyde Park Hs.
Cloud, Holman Ratliff, *a, w, sp,* Newcastle, Ind. Newcastle Hs.
Cochron, Stuart Wainright, *a, w, sp,* Elkhart, Ind. Elkhart Hs.
Cohen, Abraham Edwin, *sp,* Chicago. McKinley Hs.
Cohen, Lillian Roselie, *a,* Chicago. Phillips Hs.
Cripe, Ray Allen, *a, w, sp,* Goshen, Ind. Goshen Hs.
Currie, Isabel Reside, *a, w, sp,* Chicago. McKinley Hs.
Davidoff, Harry, *s, a, w, sp,* Chicago. Commercial S., Russia.
Davison, Hurford Henry, *a, w, sp,* Des Moines, Iowa. Drake U.
Dehner, Cecil, *a, w, sp,* Burlington, Iowa. Chicago S. of Civics.
Desenberg, Milford, *a,* Chicago. Hyde Park Hs.
Dodson, Glenn Roy, *a, w, sp,* Wichita, Kan. Friends' University A.
Dodson, Leon Alva, *sp,* Wichita, Kan. Friends' U.
Dubois, Peter, Jr., *a, w, sp,* Muskegon, Mich. Muskegon Hs.
Duehring, Norman Edward, *s, w, sp,* Washington, D.C. Business Hs., Washington, D.C.
Eaton, Joseph Wilfred, *w, sp,* Cleveland, Ohio. McMaster U.
Edelstone, Sigmund, *a, w, sp,* Chicago. Hyde Park Hs.

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Ellin, Michael Irving, *a, w, sp,* Chicago. Medill Hs.
Engel, Benjamin K., *a, w, sp,* Chicago. Phillips Hs.
Fainman, Oscar, *a, w, sp,* Chicago. Tuley Hs.
Fisher, Myron Nassauer, *a, w, sp,* Chicago. Hyde Park Hs.
Flora, Lloyd Ramoan, *a, w, sp,* South Haven, Mich. South Haven Hs.
Freedman, May Rose, *a, w, sp,* Chicago. University Hs.
Garber, Samuel Robert, *a, w, sp,* Kewanee. Kewanee Hs.
Giltinon, Mildred Claire, *a, sp,* Chicago. St. Xavier's A.
Godschalk, Sara Harriet, *a, w,* Enid, Okla. U. of Missouri.
Goldberg, Arthur David, *a, w,* Chicago. Harrison Technical Hs.
Goldhammer, Helen, *a, w, sp,* Denver, Colo. East Denver Hs.
Goldstein, George Walter, *a, w, sp,* Chicago. Phillips Hs.
Goldstein, Henry, *a,* Louisville, Ky. Louisville Male Hs.
Goldstein, Stanley Eli, *a, w, sp,* Chicago. Phillips Hs.
Goodman, David, *a, w,* Chicago. Phillips Hs.
Grier, Minerva, *s,* Standish, Mich. Michigan State Normal C.
Grossman, Edward Benjamin, Jr., *s, a, w, sp,* Chicago. University Hs.
Gulbransen, Anne Louise, *w,* Ottawa. Ottawa Township Hs.
Gurney, Francis Claire, *a, w, sp,* Fremont, Neb. Fremont Hs.
Halstrom, Bernhard Christian, *a,* Chicago. U. of Illinois.
Hannum, Joseph Emmett, *w, sp,* Albuquerque, N.M. U. of New Mexico.
Happ, Robert Glenn, *a, w, sp,* South Bend, Ind. DePauw U.
Harris, David Bullock, *a, w, sp,* Chicago. Hyde Park Hs.
Harrod, Mildred Catherine, *a, w, sp,* Chicago. Senn Hs.
Hawley, Lauretta Katheryn, *s,* Grand Rapids, Mich. Grand Rapids Junior C.
Heil, John Kenneth, *w, sp,* Chicago. Morgan Park Hs.
Helmle, Robert Kuhl, *s, a, w,* Oak Park. Oak Park Hs.
Herst, Perry Stern, *a, w, sp,* Chicago. Marshall Hs.
Herzberg, Ben Lewis, *a, w, sp,* Chicago. Hyde Park Hs.
Hewitt, Marion Fairchild, *w, sp,* Chicago. Hyde Park Hs.
Hickmott, John Thurston, *sp,* Mendon, Mich. Kalamazoo C.
Hinkamp, Joseph Adolph, *a, w,* Chicago. Hyde Park Hs.
Hirsch, Dorothy, *a, w, sp,* Chicago. Englewood Hs.
Hoffmann, Arnold John, *a, w,* Burksville. Waterloo Hs.
Hohlen, Myrtle Lucy, *a, w, sp,* Burlington, Iowa. Burlington Hs.
Hornbaker, Albert Rogers, *s,* Berwyn. U. of Wisconsin.
Hoven, Harold Arthur, *w,* Chicago. U. of Illinois.
Hubbard, Marion, *a,* Detroit, Mich. Michigan Agricultural C.
Hughes, Francis James, *a, w, sp,* Chicago. Hyde Park Hs.
Hulbert, Donald Franklin, *a,* Chicago. Crane Technical Hs.
Janovsky, Mildred Julia, *sp,* Chicago. Lucy Flower Hs.
Johanigman, Sterling Edmund, *a,* Chicago. Hyde Park Hs.
Johnson, John Oliver, *a,* Chesterton, Ind. Chesterton Hs.
Johnson, Sigrid Marie, *a, w, sp,* Chicago. Lake View Hs.
Jones, Archbold Redmond, *a, w, sp,* Pueblo, Colo. Centennial Hs., Pueblo, Colo.
Jones, Newcomb William, *a,* Youngstown, Ohio. Rayen Hs.
King, Robert Eugene, *a, w,* Cincinnati, Ohio. Kings Mills, Hs., Cincinnati, Ohio.

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Kister, Herbert Huntington, *a, w,* Chicago. Austin Hs.
Klapman, Abe Anas, *sp,* Chicago. Tuley Hs.
Klauber, Alice Anna, *a,* Chicago. Phillips Hs.
Kramer, Walter Emerson, *a, w, sp,* Chicago. University Hs.
Krupke, Walter Daniel, *a, w, sp,* Portland, Ore. Portland A.
Lambert, Max Shipman, *sp,* Chicago. Parker Hs.
Lapham, Esther Helene, *a, w, sp,* Dixon. Lake Forest C.
Larson, Birger Eskil, *a, w,* Chicago. Englewood Hs.
Lassers, Julia, *a, w, sp,* Chicago Heights. Bloom Township Hs.
Leopold, Margery Phyllis, *a, w,* Chicago. University Hs.
Lidman, Ivy Isabel, *s, a,* Chicago. Englewood Hs.
Livshis, Lewis, *a, w, sp,* Chicago. Schurz Hs.
McArthur, Marshall Earl, *a, w, sp,* Storm Lake, Iowa. Storm Lake Hs.
McCarthy, Harold Joseph, *a, w, sp,* Chicago. Hyde Park Hs.
McGregor, Dave Noe, *a,* Springfield, Mo. Westminster C.
MacKenzie, Elmer Pearl, *a, w, sp,* Oberlin, Kan. Decatur County Hs.
McManus, Alice Madeline, *s, a, w, sp,* Chicago. Englewood Hs.
Mailhot, Elizabeth Rose, *s,* Grand Rapids, Mich. Michigan State Normal C.
Mason, Eugene Carter, *a, w, sp,* Oakland. Oakland Hs.
Mears, Grant Standard, *a, w, sp,* Chicago. Parker Hs.
Mease, Myron Frank, *sp,* Madison, S.D. South Dakota U.
Meech, Stuart Putnam, *a, w, sp,* Lansing, Mich. Lansing Hs.
Meyer, Sylvia Gertrude, *a, w, sp,* Chicago. Hyde Park Hs.
Miedke, Herman Albert, *a,* Moline. Moline Hs.
Miller, Irving George, *w, sp,* Chicago. Medill Hs.
Milligan, John Sterry, *a, sp,* Datona, Fla. Daytona Hs.
Million, John Edward, *a,* Chicago. Springfield Hs.
Mills, Gertrude May, *w, sp,* Chicago. University Hs.
Montgomery, Roy Dillow, *a, w, sp,* El Campo, Tex. Texas U.
Montgomery, Royal Ewert, *a, w, sp,* Moline. Moline Hs.
Morton, Matthew Hugh, *a, w, sp,* Muskegon Heights, Mich. Muskegon Hs.
Mossberg, Herman Theodore, *a, w, sp,* Chicago. Central Young Men's Christian Association Inst.
Munger, Roy Freeman, *a, w, sp,* Chicago. Phillips Hs.
Munter, Gottlieb Leo, *a, w, sp,* Chicago. Hyde Park Hs.
Muth, Merlin Arthur, *a, w, sp,* Little Cedar, Iowa. Osage Hs.
Myers, Harvey, *s, a,* Chicago. McKinley Hs.
Nelson, Ethel Marie, *w, sp,* Blooming Prairie, Minn. Blooming Prairie Hs.
Nelson, Helmer Emanuel, *w, sp,* Duluth, Minn. Duluth Central Hs.
Nuveen, John, Jr., *a, w, sp,* Chicago. University Hs.
O'Connor, Charles, Jr., *a, w, sp,* Rockford. Rockford Hs.
Oreckovsky, Abe, *a, w, sp,* Duluth, Minn. Duluth Central Hs.
Palmer, Vivien Marie, *s, a, w,* Chicago. Lake View Hs.
Papiermeister, *a, w, sp,* Jaffa, Palestine. Englewood Hs.
Perk, Benjamin, *a, w,* Indianapolis, Ind. Manual Training Hs., Indianapolis, Ind.
Perlman, Mandel, *a, w, sp,* Chicago. Medill Hs.
Perlman, Nathan Hyman, *a, w, sp,* Chicago. Marshall Hs.

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Perry, Walter William, *a, w, sp*, Chicago. Medill Hs.
Phillips, Ora Elizabeth, *a, w, sp*, Chicago. Marshall Hs.
Pink, Ira Manuel, *a, w, sp*, Chicago. Crane Technical Hs.
Port, Margaret, *a, w, sp*, Chicago. Phillips Hs.
Prater, Roscoe Anthony, *a, w, sp*, Taylorville. Taylorville Hs.
Pratt, Roger Wilbur, *a, w*, Pawpaw. Pawpaw Hs.
Proudfit, Josephine, *a, w*, Chicago. Marshall Hs.
Ronneberg, Arthur John, *a*, Escanaba, Mich. Escanaba Hs.
Rubovits, Richard Abraham, *a, w, sp*, Chicago. University Hs.
Salzman, Minnie, *w, sp*, Chicago. Waller Hs.
Salzman, Philip Herman, *a, w, sp*, Chicago. Marshall Hs.
Sammons, Neil Frank, *s, a, w, sp*, Amelia, Neb. Utah Agricultural C.
Sands, Thyra Edith, *a, w, sp*, Pentwater, Mich. Pentwater Union Hs.
Schmaldt, Ernest James, *a*, Beardstown. Beardstown Hs.
Schrader, Chester Tilden, *a, w*, Clifton. Northwestern U.
Schwartz, Paul Stewart, *a, w, sp*, Chicago. McKinley Hs.
Searle, Vera Helen, *a*, Chicago. Phillips Hs.
Serck, George Joseph, *w, sp*, Chicago. Phillips Hs.
Shattuck, Mark Grenfell, *a*, Bisbee, Ariz. Bisbee Hs.
Shellow, Henry, *a, w*, Chicago. Lublin, Russia-Poland, Gymnasium.
Sheridan, Clara Jane, *w, sp*, Fort Wayne, Ind. Winona C.
Short, Norman Francis, *a, w*, Chicago. Loyola A.
Sieb, Bertram Louis, *a, w*, Michigan City, Ind. Michigan City Hs.
Smith, Harry Bryan, *a, w*, Chicago. Hyde Park Hs.
Soukup, Edward Theodore, *s, a*, Fremont, Neb. Valparaiso U.
Staley, Martha, *s, a, w*, Joliet. Joliet Township Hs.
Steele, Paul, *w, sp*, Ness City, Kan. Hutchinson Hs.
Stein, Marion Ruth, *sp*, Burlington, Iowa. Burlington Hs.
Steinberg, Leslie Lester, *sp*, Chicago. Marshall Hs.
Stenseth, Milton Vernon, *w, sp*, Chicago. U. of Minnesota.
Stevens, Walter Henry, *a*, Waterloo, Iowa. East Waterloo Hs.
Stowe, Albert Johnson, *a*, Moline. Moline Hs.
Stringer, Francis Ivers, *a, w, sp*, Storm Lake, Iowa. Storm Lake Hs.
Sullivan, Marie Rose, *w, sp*, Chicago. St. Xavier's A.
Swanson, Charlotte Anna, *a, w, sp*, Chicago. Muskegon Hs.
Taylor, Leonard De, *a*, Louisville, Ky. Kentucky State U.
Taylor, Roscoe Elvin, *a, w, sp*, Montezuma, Iowa. Montezuma Hs.
Thomas, Joseph Raymond, *a, w, sp*, Fort Madison, Iowa. Fort Madison Hs.
Timmins, Louis Paul, *a*, Chicago. Parker Hs.
Timmons, Grant Elmer, *a, w*, La Salle. La Salle-Peru Hs.
Townsend, Elizabeth Acheson, *a*, Chicago. Thornton Township Hs.
Trotter, Henry Harris, *a, w, sp*, Chicago. Parker Hs.
Vislick, Pauline, *w, sp*, Chicago. Crane Technical Hs.
Volini, Dominick Frank, *a, w, sp*, Chicago. Marshall Hs.
Vollmer, Clarence, *a, w, sp*, Alma, Wis. U. of Wisconsin.
Waddell, Robert Marshall, *w, sp*, Oak Park. Oak Park Hs.
Wager, Saul Bernard, *w*, Los Angeles, Cal. Medill Hs.
Waldman, Max, *a*, Louisville, Ky. Louisville Boys' Hs.

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Wallace, Charles LaVerne, *a, w, sp,* Chicago. Crane Junior C.
Wang, Yu Tsiang, *a, w, sp,* Chicago. U. of California.
Weil, Olga Beatrice, *a, w, sp,* Chicago. Phillips Hs.
Weld, Willis Adair, *a,* Rock Island. Hyde Park Hs.
Wheeler, Joseph Edward, *a,* New Ulm, Minn. New Ulm Hs.
Whiteman, Fred E., *w,* Kendallville, Ind. Indiana State Normal S.
Wien, Oscar Matnard, *a, w, sp,* Chicago. McKinley Hs.
Wilson, George Warren, *a, w,* Aurora. East Aurora Hs.
Wolfson, Rosalie, *w, sp,* Chicago. Englewood Hs.
Wong, Parklin, *a, w, sp,* Canton, China. Tsing Hua C., Peking, China.
Yu, Franklin Tsang Chuan, *a, w, sp,* Changsha, China. Northwestern U.
Zahringer, Eugene Valentine, *w, sp,* Chicago. St. Ignatius C.
Zeisler, Edward Morris, *a, w, sp,* Chicago. Lake View Hs.
Zipf, Herbert Fontaine, *a, w, sp,* Chicago. Fenger Hs.

MEN—150 WOMEN—53 TOTAL—203

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SUMMARIES OF ATTENDANCE

BY QUARTERS AND FOR THE YEAR 1916-17

I. THE DEPARTMENTS OF ARTS, LITERATURE, AND SCIENCE

The Graduate Schools	Summer 1916			Autumn 1916			Winter 1917			Spring 1917			Total (Different) Students		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Graduate Schools of Arts and Literature	669	714	1383	190	176	366	191	178	369	190	173	363	822	928	1750
Ogden Graduate School of Science	505	147	652	260	62	322	244	61	305	238	61	299	704	225	929
Total in Graduate Schools	*1174*	*861*	2035	*450*	*238*	688	*435*	*239*	674	*428*	*234*	662	*1526*	*1153*	2679

The Senior Colleges of Arts, Literature, and Science		Summer 1916			Autumn 1916			Winter 1917			Spring 1917			Total (Different) Students		
		M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Non-Professional	Arts	8	9	17	14	13	27	13	16	29	13	16	29	22	24	46
	Literature	73	180	253	134	250	384	164	282	446	171	306	477	251	468	719
	Science	63	42	105	80	47	127	81	46	127	80	47	127	124	84	208
Medical	Arts	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Literature	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Science	40	3	43	110	9	119	113	8	121	104	7	111	156	10	166
Law	Arts	....	....	....	....	....	....	1	....	1	1	1	2	1	1	2
	Literature	13	...	13	58	1	59	51	1	52	48	....	48	77	....	77
	Science	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Divinity	Arts	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Literature	....	....	....	....	....	....	....	....	....	3	....	3	3	....	3
	Science	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pro Forma	Arts	....	....	....	....	....	....	....	....	....	1	....	1	1	....	1
	Literature	3	4	7	....	4	4	5	7	12	8	10	18	16	25	41
	Science	1	....	1	4	1	5	2	1	3	3	2	5	9	5	14
Total	Arts	8	9	17	14	13	27	14	16	30	15	17	32	24	25	49
	Literature	89	184	273	192	255	447	220	290	510	230	316	546	347	493	840
	Science	104	45	149	194	57	251	196	55	251	187	56	243	289	99	388
Grand total		*201*	*238*	439	*400*	*325*	725	*430*	*361*	791	*432*	*389*	821	*660*	*617*	1277

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ARTS, LITERATURE, AND SCIENCE—*Continued*

The Junior Colleges	Summer 1916			Autumn 1916			Winter 1917			Spring 1917			Total (Different) Students		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Junior College of Arts (A.B.)	7	13	20	17	29	46	15	24	39	10	18	28	20	36	56
Junior College of Literature (Ph.B)	58	106	164	378	422	800	352	362	714	318	345	663	469	577	1046
Junior College of Science (S.B.)	76	29	105	326	74	400	264	63	327	239	59	298	396	94	490
Total in Junior Colleges	*141*	*148*	289	*721*	*525*	1246	*631*	*449*	1080	*567*	*422*	989	*885*	*707*	1592

Unclassified Students	Summer 1916			Autumn 1916			Winter 1917			Spring 1917			Total (Different) Students		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Total Unclassified students	*321*	*411*	732	*46*	*66*	112	*35*	*62*	97	*29*	*64*	93	*377*	*514*	891

University College	Autumn 1916			Winter 1917			Spring 1917			Total (Different) Students		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Graduate Schools	58	127	185	74	145	219	53	80	133	106	182	288
The Senior Colleges	17	122	139	28	143	171	23	109	132	47	293	340
The Junior Colleges	22	164	186	31	196	227	28	138	166	36	159	195
Unclassified students	122	537	659	143	563	706	83	339	422	186	688	874
Total in University College	*219*	*950*	1169	*276*	*1047*	1323	*187*	*666*	853	*375*	*1322*	1697

Total Arts, Literature, and Science	Summer 1916			Autumn 1916			Winter 1917			Spring 1917			Total (Different) Students		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Total students registered	1837	1658	3495	1836	2104	3940	1807	2158	3965	1643	1775	3418	3823	4313	8136
Duplicates	....	....	....	1	4	5	4	2	6	5	10	15	193	248	441
Net totals	*1837*	*1658*	3495	*1835*	*2100*	3935	*1803*	*2156*	3959	*1638*	*1765*	3403	*3630*	*4065*	7695

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II. THE PROFESSIONAL SCHOOLS

ATTENDANCE BY QUARTERS AND SCHOOLS, 1916-17

THE DIVINITY SCHOOL	SUMMER 1916			AUTUMN 1916			WINTER 1917			SPRING 1917			TOTAL 1916-17		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Graduate Divinity School	191	18	209	140	11	151	134	12	146	121	12	133	313	32	345
Unclassified students	6	2	8	18	7	25	15	6	21	19	6	25	27	13	40
English Theological Sem.	78	25	103	....	....	....	....	....	....	....	....	....	78	25	103
Total	275	45	*320	158	18	176	149	18	167	140	18	158	418	70	488
Chicago Theological Seminary—															
Graduate	8	....	8	22	....	22	24	....	24	21	....	21	31	....	31
Unclassified	8	1	9	16	...	16	15	....	15	14	....	14	23	1	24
Total	16	1	17	38		38	39	....	39	35	....	35	54	1	55
Grand total	*291*	*46*	337	*196*	*18*	214	*188*	*18*	206	*175*	*18*	193	*472*	*71*	543

*Of the 337 students registered in the Summer Quarter, 1916, 132 were registered for one term only.

THE MEDICAL COURSES	SUMMER 1916			AUTUMN 1916			WINTER 1917			SPRING 1917			TOTAL (DIFFERENT) STUDENTS		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Graduate	73	8	81	80	11	91	80	11	91	64	8	72	140	18	158
Senior	40	2	42	108	8	116	105	7	112	107	7	114	142	8	150
Junior	4	....	4	8	....	8	8	....	8	12	1	13	17	1	18
Unclassified	15	....	15	5	....	5	2	....	2	5	....	5	20	....	20
Total in Medical Courses	*132*	*10*	142	*201*	*19*	220	*196*	*18*	213	*188*	*16*	204	*319*	*27*	346

THE LAW SCHOOL	SUMMER 1916			AUTUMN 1916			WINTER 1917			SPRING 1917			TOTAL (DIFFERENT) STUDENTS		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Resident graduates	....	....	....	....	....	....	1	....	1	2	....	2	2	....	2
Third-year students	68	2	70	73	2	75	65	2	67	49	2	51	97	3	100
Second-year students	52	1	53	72	2	74	75	2	77	71	2	73	97	2	99
First-year students	73	3	76	122	5	127	120	8	128	104	8	112	202	11	213
Unclassified students	3	1	4	1	1	2	2	....	2	2	1	3	4	1	5
Total in Law School	*196*	7	203	*268*	*10*	278	*263*	*12*	275	*226*	*13*	241	*402*	*17*	419

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THE PROFESSIONAL SCHOOLS—*Continued*

THE COLLEGE OF EDUCATION	SUMMER 1916			AUTUMN 1916			WINTER 1917			SPRING 1917			TOTAL (DIFFERENT) STUDENTS		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Total	*200*	*1173*	1373	*40*	*331*	371	*88*	*320*	358	*84*	*318*	352	*224*	*1518*	1737

COMMERCE AND ADMINISTRATION	SUMMER 1916			AUTUMN 1916			WINTER 1917			SPRING 1917			TOTAL (DIFFERENT) STUDENTS		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Senior	12	4	16	37	13	50	40	16	56	37	17	54	61	21	82
Senior pro forma	....	1	1	1	....	1	....	....	....	....	....	....	....	....	.....
Junior	9	9	18	120	36	156	114	40	154	101	35	136	150	53	203
Total	*21*	*14*	35	*158*	*49*	207	*154*	*56*	210	*138*	*52*	190	*211*	*74*	285

TOTAL PROFESSIONAL SCHOOLS

	SUMMER 1916			AUTUMN 1916			WINTER 1917			SPRING 1917			TOTAL (DIFFERENT) STUDENTS		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Total students registered	840	1250	2090	863	427	1290	838	424	1262	763	417	1180	1628	1702	3330
Duplicates	1	....	1	2	....	2	3	....	3	3	....	3	5	....	5
Net totals	*839*	*1250*	2089	*861*	*427*	1288	*835*	*424*	1259	*760*	*417*	1177	*1623*	*1702*	3325

III. TOTAL UNIVERSITY

	SUMMER 1916			AUTUMN 1916			WINTER 1917			SPRING 1917			TOTAL (DIFFERENT) STUDENTS		
	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.	M.	W.	T.
Total students registered	2676	2908	5584	2696	2527	5223	2638	2580	5218	2396	2182	4580	5253	5767	11020
Duplicates	168	12	180	265	21	286	250	21	271	226	20	246	460	112	572
Net totals	*2508*	*2896*	5404	*2431*	*2506*	4937	*2388*	*2559*	4947	*2172*	*2162*	4334	*4793*	*5655*	10448

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NUMBER OF STUDENTS, 1916–17, ACCORDING TO QUARTERS IN RESIDENCE

Schools	One Quarter	Two Quarters	Three Quarters	Four Quarters	Three-Quarter Basis
The Graduate Schools	1,970	195	357	157	1,353
The Senior Colleges	466	221	492	98	925½
The Junior Colleges	485	257	795	55	1,201½
Unclassified students	804	42	34	11	344½
University College	469	808	420	.....	1,115
The Divinity School	329	58	119	37	316½
The Courses in Medicine	129	39	140	38	259½
The Law School	137	48	172	62	332½
The College of Education	1,364	84	234	55	818
The School of Commerce and Administration	77	69	129	10	214
Grand total	6,230	1,821	2,892	523	6,880
Duplicates	199	57	183	39	339½
Net total	6,031	1,764	2,709	484	6,540½
Three-quarter basis	2,010½	1,176	2,709	645½	6,540½

THE GRADUATE SCHOOLS

CLASSIFICATION OF STUDENTS WITH REFERENCE TO HIGHER DEGREES

	Men	Women	Total
Doctors of Philosophy pursuing special courses	29	21	50
Students admitted to candidacy for higher degrees	382	180	562
Students not yet admitted to candidacy for higher degrees	1,115	952	2,067
Total	1,526	1,153	2,679
University College	106	182	288
Total	1,632	1,335	2,967

TOTALS FOR DIFFERENT STUDENTS, 1916–17

Schools and Colleges	Men	Women	Total
The Graduate Schools	1,526	1,153	2,679
The Senior Colleges	660	617	1,277
The Junior Colleges	885	707	1,592
Unclassified students	377	514	891
University College	375	1,322	1,697
The Divinity School	472	71	543
The Courses in Medicine	319	27	346
The Law School	402	17	419
The College of Education	224	1,513	1,737
The School of Commerce and Administration	211	74	285
Grand total	5,451	6,015	11,466
Duplicates	658	360	1,018
Net total	4,793	5,655	10,448

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GRADUATES OF THE UNIVERSITY BY YEARS

METHOD OF CLASSIFICATION BY YEARS: ALL GRADUATES FROM JULY 1 OF ONE YEAR TO JULY 1 OF THE NEXT YEAR ARE ENROLLED AS GRADUATES OF THE LATTER YEAR

Class	Bachelors of Arts, Philosophy, and Science	Bachelors of Divinity	Bachelors of Laws	Bachelors of Education	Masters of Arts, Philosophy, and Science	Doctors of Philosophy	Doctors of Law (J.D.)	Re-enacted	Total
1893	15	11	...	...	4	1	...	...	31
1894	25	7	...	...	11	6	...	...	49
1895	52	2	...	...	8	16	...	...	78
1896	103	2	...	...	15	23	...	35	178
1897	129	29	...	...	20	27	...	27	232
1898	145	25	...	...	15	35	...	9	229
1899	171	15	...	...	15	26	...	9	236
1900	162	17	...	...	33	48	...	5	265
1901	209	16	...	...	24	36	...	5	290
1902	286	15	...	...	28	27	...	1	357
1903	271	19	1	...	47	33	6	...	377
1904	266	26	3	9	50	36	10	...	400
1905	267	21	4	17	44	44	14	...	411
1906	303	15	7	21	54	31	25	4	460
1907	348	23	5	21	57	54	30	...	538
1908	333	14	3	35	65	54	36	1	541
1909	335	14	6	27	74	38	42	...	536
1910	359	13	5	5	88	45	39	1	555
1911	366	7	9	...	120	55	31	3	591
1912	419	12	7	...	100	57	46	...	641
1913	387	8	6	...	118	46	37	...	602
1914	494	12	7	...	143	61	48	...	765
1915	547	19	5	...	171	77	60	...	879
1916	522	13	6	...	135	86	55	...	867
1917	592	14	17	...	198	67	55	2	945
Totals	7,106	389	91	135	1,687	1,029	534	102	11,053

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2. (*a*) For Officers of Instruction and Administration, with academic records, see pp. 27–67. (*b*) For Administrative Bodies, etc., see pp. 68–77. (*c*) For Courses of Instruction, see under the various departments.

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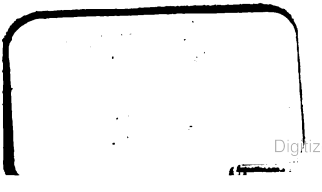

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